

INDUSTRIAL SOLUTIONS

MARINE



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TKF CONNECTIVITY SOLUTIONS

CATALOGUE

INNOVATIVE CABLE SOLUTIONS MEETING INTERNATIONAL STANDARDS

TKF TECHNOLOGICAL LEADERSHIP IN CONNECTIVITY SOLUTIONS



Since its establishment in 1930 TKF developed from a cable producer to a leading supplier of connectivity solutions located in the Netherlands. A broad range of cables, systems and services enables us to provide our customers worldwide with safe and reliable power and data connections.

Due to a focused commitment, TKF is distinguished by specialized application knowledge and solutions with a high degree of reliability, quality and service. Specialized technical know-how and flexibility lead to a high return on investment for our customers.

TKF is characterized by continuous investment in customer relations, quality and supplementary services, resulting in sustainable cable solutions and long-term and successful relationships.

It goes without saying that we offer our customized solutions with respect for people and environment. Being part of the technology company TKH Group NV, TKF has access to breakthrough solutions, concepts and technologies.

More than 85 years of experience



Our market segmentation

Building Solutions

- » Building
- » Energy
- » Infrastructure
- » Renewable
- » Railinfra

Industrial Solutions

- » Industry
- » Marine & offshore
- » Oil, gas & petrochemical

Telecom Solutions

- » Telecom

Our core values

- » Innovativeness
- » Maximum reliability
- » Outstanding quality
- » High service degree
- » Corporate Social Responsibility

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MEET THE TKH GROUP AND ITS CORE TECHNOLOGIES



TKH Group NV (TKH) is an internationally operating group of companies specialized in creating and supplying innovative Telecom, Building and Industrial Solutions.

All TKH technologies are interlinked into total solutions for these three business segments. Specialists in the fields of marketing, process development, design, engineering and logistics add advice and project implementation to offer a tailor-made solution. TKH aims to carve out strong market positions based mainly on its own advanced technologies and services and on its strong regional and international positioning.

The group's growth is concentrated in North-Western, Central and Eastern Europe and in Asia. TKH is known for its innovations and its commitment to renewal. The urge to lead is great. TKH places its experience and knowledge into the service of its clients, and jointly looks for optimal solutions.

The four TKH core technologies:

Vision & Security | Communications | Connectivity | Manufacturing Systems



member of the TKH Group <

www.tkhgroup.com



HIGH END CABLE SOLUTIONS FOR ALL MARINEAPPLICATIONS



Efficiency, safety and cost reduction emphasize the importance of high quality shipboard cables. The right cables can reduce costs, improve safety, improve performance, and help respect the environment.

TKF designs and produces marine cables to create added value for shipbuilders, owners and shipyards. Our complete portfolio of cables and service concepts is appropriate for dredgers, private yachts, cruise ships, offshore vessels and working boats of all kinds. Designed for the marine environment, shipboard cables can increase operations and safety on board. Our portfolio is light weight, flexible, flame-retardant, halogen free, fire-resistant and suitable for harsh environments.

Our customers profit from our reliability, short delivery times, local stocks and cut and labeling services. The light weight, small diameter, flexibility, stock availability and international certification by major classification societies are important advantages.

Our Marineportfolio:

Low voltage:	Light weighted low voltage cables for power and lighting on board of ships.
Medium voltage:	(Flexible) power cables for medium voltage energy transport for fixed installations in all ship areas.
Communication:	(Fire resistant) communication cables for instrumentation, telecommunication and data transmission on board of ships.
Signal:	Signal cables for signaling-, control- and alarm-systems on board of ships.

INTERNATIONAL STANDARDS AND APPROVALS



All marine cables are designed and produced according to international standards and approvals. TKF marine cables fully comply with the requirements specified in the IEC 60092 series of standards.

Low Voltage Cables 0,6/1kV & 1,8/3kV	ABS	BV	DNV-GL	LRS	PRS	RMRS	RINA
MarineLine YZp 0,6/1 kV	X	X	X	X	X	X	X
MarineLine YOZp 0,6/1 kV	X	X	X	X	X	X	X
MarineLine YZafp 0,6/1 kV	X	X	X	X			X
MarineLine+ YZp 0,6/1 kV	X	X	X	X		X	X
MarineLine+ YOZp 0,6/1 kV	X	X	X	X		X	X
MarineFlex YZp 0,6/1 kV	X	X	X	X	X	X	X
MarineFlex YOZp 0,6/1 kV	X	X	X	X	X	X	X
MarineLine YOZp 0,6/1 kV EMC	X		X				X
MarineLine+ YOZp 0,6/1 kV EMC	X		X				X
MarineFlex YOZp 0,6/1 kV EMC	X		X				X
MarineLine YOZp 1,8/3 kV	X	X	X	X		X	X
MarineFlex YOZp 1,8/3 kV	X	X	X	X		X	X
MarineLine YOZp 1,8/3 kV EMC	X		X				X
MarineLine+ YOZp 1,8/3 kV EMC							X
MarineFlex YOZp 1,8/3 kV EMC	X		X				X
MarineMultiFlex BOQp 0,6/1 kV							
MarineLine YZp FR0,6/1 kV		X		X			
MarineLine YOZp FR0,6/1 kV		X		X			
MarineLine+ YZp FR 0,6/1 kV		X		X			
MarineLine+ YOZp FR 0,6/1 kV		X		X			
MarineFlex YZp FR0,6/1 kV		X		X			
MarineFlex YOZp FR0,6/1 kV		X		X			
MarineLine YZp X-FR0,6/1 kV	X	X	X	X	X	X	X
MarineLine YOZp X-FR0,6/1 kV	X	X	X	X	X	X	X
MarineLine+ YZp X-FR0,6/1 kV	X	X	X	X		X	X
MarineLine+ YOZp X-FR0,6/1 kV	X	X	X	X		X	X
MarineFlex YZp X-FR0,6/1 kV	X	X	X	X	X	X	X
MarineFlex YOZp X-FR0,6/1 kV	X	X	X	X	X	X	X
MarineLine YOZp X-FR0,6/1 kV EMC	X		X				X
MarineLine+ YOZp X-FR0,6/1 kV EMC	X		X				X
MarineFlex YOZp X-FR0,6/1 kV EMC	X		X				X

X = Type approval available

In case type approval is not available, contact us for other options (batch approvals)



Medium Voltage Cables 3,6-30kV	ABS	BV	DNV-GL	LRS	PRS	RMRS	RINA
MarinePower YOZmv 3,6/6 kV							
MarinePower YZOZmv 3,6/6 kV							
MarinePower YOZmv 6/10 kV	X	X					
MarinePower YZOZmv 6/10 kV	X	X					
MarinePowerFlex YOZmv 6/10 kV	X	X					
MarinePowerFlex YZOZmv 6/10 kV	x	X					
MarinePower MultiFlex YQOQmv 6/10 kV							
MarinePower YOZmv 8,7/15 kV							
MarinePower YZOZmv 8,7/15 kV							
MarinePower YOZmv 12/20 kV							
MarinePower YZOZmv 12/20 kV							
MarinePower YOZmv 18/30 kV							
MarinePower YZOZmv 18/30 kV							
Instrumentation & Signal cables 250 V	ABS	BV	DNV-GL	LRS	PRS	RMRS	RINA
MarineCom YOZc 250 V	X	X	X	X	X	X	X
MarineCom YZafc 250 V	X	X	X	X			X
Marine2Com YOZ2c 250 V	X	X	X	X	X	X	X
Marine2Com YZ2afc 250 V	X	X	X	X			X
MarineCom YOZc X-FR 250 V	X	X	X	X	X	X	X
MarineCom YZafc X-FR 250 V				X			X
Marine2Com YOZ2c X-FR 250 V	X	X	X	X	X	X	X
Marine2Com YZ2afc X-FR 250 V				X			X
MarineSignal YZs 250 V	X	X	X	X			X
MarineSignal YOZs 250 V	X	X	X	X			X
MarineSignal+ YZs 250 V	X	X	X	X			X
MarineSignal+ YOZs 250 V	X	X	X	X			X
MarineSignal YZs X-FR 250 V			GL				X
MarineSignal YZafs X-FR 250 V							X
MarineSignal YOZs X-FR 250 V							X

Subject to alternations. Please see our website for the most recent information.



CAT 5 & CAT 7	ABS	BV	DNV-GL	LRS	PRS	RMRS	RINA
InduData Cat 5e S/FTPstranded			DNV				X
InduData Cat 7e S/FTPstranded			DNV				X
InduData Cat 7e S/FTPsolid			DNV				X

Subject to alternations. Please see our website for the most recent information.

Green Passport

As one of the first cable manufacturers, TKF has registered with Det Norske Veritas (DNV), a declaration of conformity for a "Green Passport" for ships, in June 2009. A Green Passport is an inventory of materials present in a ship's structure, systems and equipment that may be hazardous to health and / or the environment. The Green Passport was adopted by the IMO by resolution A.962 Clean Design / Green Passport. A Green Passport is granted to a ship when build. On completion of the ship, a class society such as DNV issues a certificate of compliance. This, together with the inventory of hazardous materials and declarations that the ship is free of certain materials, form the Green Passport. This passport accompanies the ship throughout its working life. The final ship owner delivers the Green Passport together with the vessel to the recycling yard, so that hazardous materials in the ship can be identified and disposed of in an environmentally clean and safe way. Yard owners and sub-suppliers must ensure that certain materials are excluded for new-build ships. Also, they must declare all materials that have been included according to various categories required by IMO. TKF marine cables are completely free of hazardous substances and may therefore be used in a ship with a Green Passport, and do not have to be listed on the inventory of hazardous materials.





PRODUCTS



Low voltage cables

MarineLine YZp 0,6/1 kV

Properties

Application:

Lightweight, unarmoured, reduced diameter low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2

Specifications

Type	MarineLine YZp 0,6/1 kV
Product group	Shipboard low voltage cable
Core identification	HD 308 S2
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Product dependent
Core insulation	XLPE
Conductor category	Class 2 =stranded
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C



Low voltage cables

MarineLine YZp 0,6/1 kV



1

Low voltage cables

87 products

Partnumber	Construction	Shape of conductor	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensileload
16560	2 x 1 mm ²	Round	0,055	30	7.4	30
16000	1 x 1.5 mm ²	Round	0,036	20	4.9	23
16001	2 x 1.5 mm ²	Round	0,067	32	7.9	45
16002	3 x 1.5 mm ²	Round	0,086	34	8.5	68
16003	4 x 1.5 mm ²	Round	0,111	37	9.3	90
16004	5 x 1.5 mm ²	Round	0,136	40	10.1	113
16005	6 x 1.5 mm ²	Round	0,161	45	11.2	135
16006	7 x 1.5 mm ²	Round	0,171	45	11.2	158
16007	8 x 1.5 mm ²	Round	0,220	52	13	180
16008	10 x 1.5 mm ²	Round	0,250	62	15.6	225
16009	12 x 1.5 mm ²	Round	0,287	59	14.8	270
16010	16 x 1.5 mm ²	Round	0,370	68	16.9	360
16011	19 x 1.5 mm ²	Round	0,434	72	18.1	428
16012	24 x 1.5 mm ²	Round	0,540	81	20	540
15999	27 x 1.5 mm ²	Round	0,599	85	21.2	608
15969	3G 1.5 mm ²	Round	0,086	34	8.5	68
15970	4G 1.5 mm ²	Round	0,111	37	9.3	90
15971	5G 1.5 mm ²	Round	0,135	40	10.1	113
15972	7G 1.5 mm ²	Round	0,171	45	11.2	158
16013	1 x 2.5 mm ²	Round	0,047	21	5.3	38
16014	2 x 2.5 mm ²	Round	0,094	36	9	75
16015	3 x 2.5 mm ²	Round	0,123	38	9.5	113
16016	4 x 2.5 mm ²	Round	0,154	42	10.4	150
16017	5 x 2.5 mm ²	Round	0,195	46	11.5	188
16018	7 x 2.5 mm ²	Round	0,248	50	12.6	263
15973	3G 2.5 mm ²	Round	0,123	38	9.5	113
15974	4G 2.5 mm ²	Round	0,154	42	10.4	150
15975	5G 2.5 mm ²	Round	0,195	46	11.5	188
15976	7G 2.5 mm ²	Round	0,250	50	12.6	263
16019	1 x 4 mm ²	Round	0,064	24	5.9	60
16020	2 x 4 mm ²	Round	0,126	40	10.1	120
16021	3 x 4 mm ²	Round	0,170	43	10.7	180
16022	4 x 4 mm ²	Round	0,221	48	11.9	240
16561	5 x 4 mm ²	Round	0,272	53	13.1	240
17752	1 G 4 mm ²	Round	0,064	24	5.9	60
15977	3 G 4 mm ²	Round	0,169	43	10.7	180
15978	4 G 4 mm ²	Round	0,221	48	11.9	240
16559	5 G 4 mm ²	Round	0,272	53	12.9	240
16023	1 x 6 mm ²	Round	0,084	26	6.4	90
16024	2 x 6 mm ²	Round	0,175	46	11.4	180
16025	3 x 6 mm ²	Round	0,237	48	12.1	270
16026	4 x 6 mm ²	Round	0,303	53	13.2	360
17352	19 x 6 mm ²	Round	1,315	160	26.6	1710
16563	5 x 6 mm ²	Round	0,380	59	14.7	450
17753	1 G 6 mm ²	Round	0,086	26	6.4	90
15979	3 G 6 mm ²	Round	0,236	48	12.1	270
15980	4 G 6 mm ²	Round	0,303	53	13.2	360

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineLine YZp 0,6/1 kV



Low voltage cables

Partnumber	Construction	Shape of conductor	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensile load
15967	5 G 6 mm ²	Round	0,380	59	14.7	450
16027	1 x 10 mm ²	Round	0,127	29	7.2	150
16028	2 x 10 mm ²	Round	0,255	52	12.9	300
16029	3 x 10 mm ²	Round	0,354	55	13.8	450
16030	4 x 10 mm ²	Round	0,465	61	15.2	600
16564	5 x 10 mm ²	Round	0,575	68	17	750
17353	19 x 10 mm ²	Round	2,062	187	31.1	2850
17754	1 G 10 mm ²	Round	0,123	29	7.2	150
15981	3 G 10 mm ²	Round	0,354	55	13.8	450
15982	4 G 10 mm ²	Round	0,466	61	15.2	600
16031	1 x 16 mm ²	Round	0,178	33	8.2	240
16032	2 x 16 mm ²	Round	0,374	60	15.1	480
16033	3 x 16 mm ²	Round	0,524	64	16	720
16034	4 x 16 mm ²	Round	0,691	71	17.8	960
16565	5 x 16 mm ²	Round	0,859	79	19.8	1200
16568	4 G 16 mm ²	Round	0,710	71	17.9	960
15968	5 G 16 mm ²	Round	0,859	79	19.8	1200
16035	1 x 25 mm ²	Round	0,281	40	10.1	375
16036	2 x 25 mm ²	Round	0,595	75	18.7	750
16037	3 x 25 mm ²	Round	0,847	80	20.3	1125
16038	4 x 25 mm ²	Round	1,097	89	22.3	1500
16558	5 G 25 mm ²	Round	1,386	99	25.0	1875
16039	1 x 35 mm ²	Round	0,370	47	11.8	525
16040	2 x 35 mm ²	Round	0,797	88	22.5	1050
16048	3 x 35 mm ²	Sector-shaped	1,179	83	20.8	1575
16041	1 x 50 mm ²	Round	0,499	53	13.2	750
16049	3 x 50 mm ²	Sector-shaped	1,557	94	23.4	2250
16042	1 x 70 mm ²	Round	0,707	62	15.4	1050
16050	3 x 70 mm ²	Sector-shaped	2,194	108	27.1	3150
16043	1 x 95 mm ²	Round	0,951	70	17.5	1425
16051	3 x 95 mm ²	Sector-shaped	2,997	125	31.3	4275
16044	1 x 120 mm ²	Round	1,201	78	19.5	1800
16052	3 x 120 mm ²	Sector-shaped	3,677	139	34.7	5400
17755	1 G 120 mm ²	Round	1,244	78	19.5	1800
16045	1 x 150 mm ²	Round	1,485	86	21.5	2250
16053	3 x 150 mm ²	Sector-shaped	4,558	152	37.9	6750
16046	1 x 185 mm ²	Round	1,882	96	24	2775
16054	3 x 185 mm ²	Sector-shaped	5,648	164	41	8325
16047	1 x 240 mm ²	Round	2,390	162	27	3600
16055	3 x 240 mm ²	Sector-shaped	7,498	190	47.6	10800

Low voltage cables

MarineLine YOZp 0,6/1 kV



1

Properties

Application:

Lightweight, armoured, reduced diameter low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Product group	Shipboard low voltage cable
Type	MarineLine YOZp 0,6/1 kV
Construction outer shield	tinned copper braiding
Standardization	IEC 60092-350/-360/-353
Conductor material	Cu
Shape of conductor	Product dependent
Core insulation	XLPE (VPE)
Conductor category	Class 2 =stranded
Core identification	HD 308 S2
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineLine YOZp 0,6/1 kV



101 products

Part number	Construction	Shape of conductor	Net weight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16110	1 x 1.5 mm ²	Round	0,066	22	5.6	23
16111	2 x 1.5 mm ²	Round	0,101	35	8.7	45
16112	3 x 1.5 mm ²	Round	0,121	36	9.1	68
16113	4 x 1.5 mm ²	Round	0,146	40	9.9	90
16114	5 x 1.5 mm ²	Round	0,176	43	10.7	113
16115	6 x 1.5 mm ²	Round	0,209	47	11.8	135
16116	7 x 1.5 mm ²	Round	0,219	47	11.8	158
16118	10 x 1.5 mm ²	Round	0,339	63	15.4	225
16119	12 x 1.5 mm ²	Round	0,379	64	16.1	270
16120	16 x 1.5 mm ²	Round	0,493	73	18.2	360
16121	19 x 1.5 mm ²	Round	0,547	76	19	428
16430	20 x 1.5 mm ²	Round	0,576	80	20	450
16122	24 x 1.5 mm ²	Round	0,666	86	21.5	540
16159	27 x 1.5 mm ²	Round	0,742	91	22.7	608
16185	37 x 1.5 mm ²	Round	0,957	104	26.1	833
15984	3 G 1.5 mm ²	Round	0,121	36	9.1	68
15985	4 G 1.5 mm ²	Round	0,146	40	9.9	90
15986	5 G 1.5 mm ²	Round	0,176	43	10.7	113
15995	7 G 1.5 mm ²	Round	0,218	47	11.8	158
16595	10 G 1.5 mm ²	Round	0,339	63	15.2	225
16574	12 G 1.5 mm ²	Round	0,379	64	15.9	270
16597	14 G 1.5 mm ²	Round	0,433	68	16.8	315
16599	19 G 1.5 mm ²	Round	0,546	76	18.6	428
16600	24 G 1.5 mm ²	Round	0,666	86	21	540
16123	1 x 2.5 mm ²	Round	0,077	24	6.1	38
16124	2 x 2.5 mm ²	Round	0,129	39	9.7	75
16125	3 x 2.5 mm ²	Round	0,158	41	10.2	113
16126	4 x 2.5 mm ²	Round	0,199	45	11.2	150
16127	5 x 2.5 mm ²	Round	0,239	49	12.2	188
16128	7 x 2.5 mm ²	Round	0,297	53	13.2	263
16567	10 x 2.5 mm ²	Round	0,464	71	17.8	375
16437	12 x 2.5 mm ²	Round	0,525	110	18.3	450
16429	19 x 2.5 mm ²	Round	0,768	87	21.7	713
16540	24 x 2.5 mm ²	Round	0,939	96	24	900
15987	3 G 2.5 mm ²	Round	0,159	41	10.2	113
15988	4 G 2.5 mm ²	Round	0,202	45	11.2	150
15989	5 G 2.5 mm ²	Round	0,239	49	12.2	188
16572	7 G 2.5 mm ²	Round	0,338	56	14	263
16596	10 G 2.5 mm ²	Round	0,465	71	17.8	375
16573	12 G 2.5 mm ²	Round	0,537	110	18.3	450
16598	14 G 2.5 mm ²	Round	0,606	118	19.6	525
16129	1 x 4 mm ²	Round	0,093	26	6.6	60
16130	2 x 4 mm ²	Round	0,167	43	10.7	120
16131	3 x 4 mm ²	Round	0,215	46	11.5	180
16132	4 x 4 mm ²	Round	0,267	50	12.5	240
16536	3 G 4 mm ²	Round	0,215	46	11.5	180
15992	4 G 4 mm ²	Round	0,266	50	12.5	240

Low voltage cables

MarineLine YOZp 0,6/1 kV



1

Low voltage cables

Partnumber	Construction	Shape of conductor	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensile load
16586	5 G 4 mm ²	Round	0,353	58	14.4	300
16133	1 x 6 mm ²	Round	0,114	29	7.2	90
16134	2 x 6 mm ²	Round	0,217	48	11.9	180
16135	3 x 6 mm ²	Round	0,281	50	12.6	270
17800	3 x 6 mm ²	Round	0,295	54	13.4	270
16136	4 x 6 mm ²	Round	0,390	59	14.8	360
16566	5 x 6 mm ²	Round	0,471	64	16.1	450
16089	7 x 6 mm ²	Round	0,604	70	17.5	630
15997	3 G 6 mm ²	Round	0,282	52	13	270
16480	5 G 6 mm ²	Round	0,471	64	16.1	450
16109	7 G 6 mm ²	Round	0,604	71	17.6	630
16137	1 x 10 mm ²	Round	0,156	32	7.9	150
16138	2 x 10 mm ²	Round	0,302	54	13.5	300
16139	3 x 10 mm ²	Round	0,443	60	15.1	450
16140	4 x 10 mm ²	Round	0,557	67	16.7	600
16489	5 x 10 mm ²	Round	0,678	67	18.3	600
16534	3 G 10 mm ²	Round	0,443	60	15.2	450
15993	4 G 10 mm ²	Round	0,578	67	16.8	600
16108	5 G 10 mm ²	Round	0,686	67	18.3	600
16141	1 x 16 mm ²	Round	0,216	36	9.1	240
16142	2 x 16 mm ²	Round	0,470	66	16.5	480
16143	3 x 16 mm ²	Round	0,634	70	17.5	720
16144	4 x 16 mm ²	Round	0,807	77	19.3	960
16535	3 G 16 mm ²	Round	0,634	70	17.6	720
15994	4 G 16 mm ²	Round	0,807	77	19.4	960
15996	5 G 16 mm ²	Round	0,993	85	21.2	1200
16145	1 x 25 mm ²	Round	0,318	44	10.9	375
16146	2 x 25 mm ²	Round	0,700	80	20.1	750
16147	3 x 25 mm ²	Round	0,947	85	21.9	1125
16148	4 x 25 mm ²	Round	1,227	94	23.6	1500
16158	1 x 35 mm ²	Round	0,465	53	13.2	525
16157	2 x 35 mm ²	Round	0,914	94	23.4	1050
16149	3 x 35 mm ²	Sector-shaped	1,278	86	21.6	1575
16426	4 x 35 mm ²	Sector-shaped	1,675	95	23.8	2100
16436	5 G 35 mm ²	Round	2,033	121	30.2	2625
16401	1 x 50 mm ²	Round	0,591	59	14.7	750
16150	3 x 50 mm ²	Sector-shaped	1,686	96	23.9	2250
16427	4 x 50 mm ²	Sector-shaped	2,153	107	26.8	3000
16402	1 x 70 mm ²	Round	0,805	66	16.6	1050
16151	3 x 70 mm ²	Sector-shaped	2,360	112	28	3150
16403	1 x 95 mm ²	Round	1,076	75	18.7	1425
16152	3 x 95 mm ²	Sector-shaped	3,170	128	32.1	4275
16404	1 x 120 mm ²	Round	1,333	82	20.5	1800
16153	3 x 120 mm ²	Sector-shaped	4,001	142	35.5	5400
16405	1 x 150 mm ²	Round	1,633	90	22.6	2250
16154	3 x 150 mm ²	Sector-shaped	4,932	159	39.7	6750
16183	4 x 150 mm ²	Sector-shaped	6,434	181	45.3	9000
16406	1 x 185 mm ²	Round	2,048	101	25.3	2775

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

1

MarineLine YOZp 0,6/1 kV



Low voltage cables

Partnumber	Construction	Shape of conductor	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensileload
16155	3 x 185 mm ²	Sector-shaped	6,068	171	42.8	8325
16481	4 x 185 mm ²	Sector-shaped	7,848	192	48	11000
16407	1 x 240 mm ²	Round	2,573	112	27.9	3600
16156	3 x 240 mm ²	Sector-shaped	7,990	198	49.5	10800
16433	1 x 300 mm ²	Round	3,208	126	31.6	4500
16434	3 x 300 mm ²	Sector-shaped	9,984	206	51.4	13500

Low voltage cables

MarineLine YZafp 0,6/1 kV



1

Properties

Application:

Alpet tape screened, lightweight, reduced diameter low voltage power cables for power and lighting applications in all ship areas where EMC protection is needed.

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Type	MarineLine YZafp 0,6/1 kV
Product group	Shipboard low voltage cable
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 2 =stranded
Core identification	HD-308 S2
Construction outer shield	Alpet tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineLine YZafp 0,6/1 kV



38 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16601	2 x 1.5 mm ²	0,075	65	8.1	45
16602	3 x 1.5 mm ²	0,098	70	8.8	68
16603	4 x 1.5 mm ²	0,120	76	9.5	90
16604	5 x 1.5 mm ²	0,145	82	10.3	113
16605	6 x 1.5 mm ²	0,176	91	11.4	135
16606	7 x 1.5 mm ²	0,186	91	11.4	158
16607	8 x 1.5 mm ²	0,231	106	13.2	180
16609	10 x 1.5 mm ²	0,261	126	15.8	225
16611	12 x 1.5 mm ²	0,299	120	15	270
16615	16 x 1.5 mm ²	0,390	136	17	360
16618	19 x 1.5 mm ²	0,447	146	18.3	428
16623	24 x 1.5 mm ²	0,554	163	20.1	540
16626	27 x 1.5 mm ²	0,612	171	21.4	608
16627	30 x 1.5 mm ²	0,671	180	22.5	675
16628	37 x 1.5 mm ²	0,817	198	24.8	833
16670	3 G 1.5 mm ²	0,099	70	8.8	68
16671	4 G 1.5 mm ²	0,121	76	9.5	90
16672	5 G 1.5 mm ²	0,146	83	10.4	113
16676	7 G 1.5 mm ²	0,187	92	11.5	158
16631	2 x 2.5 mm ²	0,105	74	9.2	75
16632	3 x 2.5 mm ²	0,134	78	9.7	113
16633	4 x 2.5 mm ²	0,165	85	10.6	150
16634	5 x 2.5 mm ²	0,206	94	11.8	188
16635	6 x 2.5 mm ²	0,234	103	12.9	225
16636	7 x 2.5 mm ²	0,260	103	12.9	263
16637	8 x 2.5 mm ²	0,324	115	14.4	300
16639	10 x 2.5 mm ²	0,366	132	16.5	375
16641	12 x 2.5 mm ²	0,430	138	17.2	450
16645	16 x 2.5 mm ²	0,553	155	19.4	600
16648	19 x 2.5 mm ²	0,647	169	21.1	713
16653	24 x 2.5 mm ²	0,805	188	23.1	900
16656	27 x 2.5 mm ²	0,892	198	24.7	1013
16657	30 x 2.5 mm ²	0,992	208	26	1125
16658	37 x 2.5 mm ²	1,195	228	28.5	1388
16673	3 G 2.5 mm ²	0,134	78	9.7	113
16674	4 G 2.5 mm ²	0,166	85	10.6	150
16675	5 G 2.5 mm ²	0,208	94	11.8	188
16677	7 G 2.5 mm ²	0,264	102	12.8	263

Low voltage cables

MarineLine+ YZp 0,6/1 kV



1

Properties

Application:

Unarmoured, heavy duty, low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Extruded inner bedding makes the cable perfectly round
- Halogen free and low smoke, flame retardant in fire conditions
- Perfect abrasion resistance & suitable for heavy duty applications
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Type	MarineLine+ YZp 0,6/1 kV
Product group	Shipboard low voltage cable
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 2 = stranded
Core identification	HD 308 S2
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineLine+ YZp 0,6/1 kV



35 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16060	2 x 1.5 mm ²	0,116	36	9	45
16061	3 x 1.5 mm ²	0,120	36	9	68
16062	4 x 1.5 mm ²	0,141	39	9.7	90
16063	5 x 1.5 mm ²	0,172	43	10.7	113
16420	3 G 1.5 mm ²	0,120	36	9	68
16419	4 G 1.5 mm ²	0,141	39	9.7	90
16418	5 G 1.5 mm ²	0,172	43	10.7	113
16064	2 x 2.5 mm ²	0,138	38	9.4	75
16065	3 x 2.5 mm ²	0,169	41	10.2	113
16066	4 x 2.5 mm ²	0,196	45	11.2	150
16067	5 x 2.5 mm ²	0,251	50	12.5	188
16417	3 G 2.5 mm ²	0,169	41	10.2	113
16416	4 G 2.5 mm ²	0,196	45	11.2	150
16415	5 G 2.5 mm ²	0,251	50	12.5	188
16068	2 x 4 mm ²	0,193	43	10.8	120
16069	3 x 4 mm ²	0,239	47	11.8	180
16070	4 x 4 mm ²	0,289	51	12.8	240
16084	3 G 4 mm ²	0,241	47	11.8	180
16071	2 x 6 mm ²	0,256	49	12.2	180
16072	3 x 6 mm ²	0,306	51	12.8	270
16073	4 x 6 mm ²	0,366	56	14	360
16085	3 G 6 mm ²	0,306	51	12.8	270
16074	2 x 10 mm ²	0,364	56	13.9	300
16075	3 x 10 mm ²	0,460	59	14.8	450
16076	4 x 10 mm ²	0,566	64	16.1	600
16083	4 G 10 mm ²	0,566	64	16.1	600
16077	2 x 16 mm ²	0,544	65	16.2	480
16078	3 x 16 mm ²	0,661	68	17.1	720
16079	4 x 16 mm ²	0,827	74	18.4	960
16086	5 G 16 mm ²	1,015	82	20.4	1200
16080	2 x 25 mm ²	0,837	80	20.1	750
16081	3 x 25 mm ²	1,037	84	21	1125
16082	4 x 25 mm ²	1,296	93	23.2	1500
16087	3 G 25 mm ²	1,056	86	21.4	1125
16088	4 G 25 mm ²	1,317	95	23.7	1500

Low voltage cables

MarineLine+ YOZp 0,6/1 kV



1

Properties

Application:

Armoured, heavy duty, low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Extruded inner bedding makes the cable perfectly round
- Halogen free and low smoke, flame retardant in fire conditions
- Perfect abrasion resistance & suitable for heavy duty applications
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Type	MarineLine+ YOZp 0,6/1 kV
Product group	Shipboard low voltage cable
Colour outer sheath	Black
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 2 = stranded
Core identification	HD 308 S2
Construction outer shield	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineLine+ YOZp 0,6/1 kV



39 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16160	2 x 1.5 mm ²	0,178	42	10.5	45
16161	3 x 1.5 mm ²	0,196	44	10.9	68
16162	4 x 1.5 mm ²	0,230	48	11.9	90
16163	5 x 1.5 mm ²	0,258	50	12.6	113
16414	3 G 1.5 mm ²	0,196	44	10.9	68
16413	4 G 1.5 mm ²	0,230	48	11.9	90
16412	5 G 1.5 mm ²	0,259	50	12.6	113
16164	2 x 2.5 mm ²	0,226	47	11.7	75
16165	3 x 2.5 mm ²	0,253	49	12.2	113
16166	4 x 2.5 mm ²	0,288	52	13	150
16167	5 x 2.5 mm ²	0,343	57	14.2	188
16411	3 G 2.5 mm ²	0,253	49	12.2	113
16410	4 G 2.5 mm ²	0,289	52	13	150
16409	5 G 2.5 mm ²	0,382	60	14.9	188
16168	2 x 4 mm ²	0,276	50	12.6	120
16169	3 x 4 mm ²	0,315	53	13.2	180
16170	4 x 4 mm ²	0,416	60	15.5	240
16186	3 G 4 mm ²	0,316	53	13.2	180
16454	4 G 4 mm ²	0,420	60	15.1	240
16446	5 G 4 mm ²	0,489	66	16.6	300
16171	2 x 6 mm ²	0,338	54	13.6	180
16172	3 x 6 mm ²	0,444	62	15.4	270
16173	4 x 6 mm ²	0,523	67	16.7	360
16187	3 G 6 mm ²	0,444	62	15.4	270
16174	2 x 10 mm ²	0,514	65	16.2	300
16175	3 x 10 mm ²	0,609	69	17.2	450
16176	4 x 10 mm ²	0,727	74	18.9	600
16428	3 G 10 mm ²	0,609	69	17.2	450
16445	4 G 10 mm ²	0,727	74	18.5	600
16177	2 x 16 mm ²	0,691	74	18.4	480
16178	3 x 16 mm ²	0,822	78	19.5	720
16179	4 x 16 mm ²	1,034	85	21.2	960
16188	5 G 16 mm ²	1,228	93	23.2	1200
16180	2 x 25 mm ²	1,028	88	22.1	750
16181	3 x 25 mm ²	1,251	93	23.3	1125
16182	4 x 25 mm ²	1,522	102	25.5	1500
16431	3 G 25 mm ²	1,261	94	23.4	1125
16432	4 G 25 mm ²	1,544	103	25.8	1500
16435	5 G 25 mm ²	1,861	113	28.3	1875

Low voltage cables

MarineFlex YZp 0,6/1 kV



1

Properties

Application:

Lightweight, unarmoured, flexible low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 5 conductors
- Easy installation in tight spaces due to flexible conductors
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables



Specifications

Type	MarineFlex YZp 0,6/1 kV
Product group	Shipboard low voltage cable
Colour outer sheath	Black
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 5 = flexible
Core identification	HD 308 S2
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineFlex YZp 0,6/1 kV



36 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16525	3 x 1.5 mm ²	0,094	34	8.6	68
16526	4 x 1.5 mm ²	0,116	38	9.4	90
16527	2 x 2.5 mm ²	0,101	36	9	75
16528	3 x 2.5 mm ²	0,134	40	10	113
16529	4 x 2.5 mm ²	0,168	44	10.9	150
16538	4 x 4 mm ²	0,229	49	12.2	240
16488	1 x 16 mm ²	0,187	36	8.9	375
16486	2 x 16 mm ²	0,390	64	16.1	720
16447	3 x 16 mm ²	0,545	64	17.3	720
16484	4 x 16 mm ²	0,721	76	19	720
16537	1 x 25 mm ²	0,288	44	10.6	375
16482	3 x 25 mm ²	0,860	80	21.2	1125
16090	1 x 35 mm ²	0,373	48	11.9	525
16091	2 x 35 mm ²	1,117	93	23.3	1050
16092	3 x 35 mm ²	1,460	103	25.8	1575
16438	4 x 35 mm ²	1,889	116	28.9	2100
16093	1 x 50 mm ²	0,503	54	13.4	750
16094	3 x 50 mm ²	1,950	118	29.4	2250
16439	4 x 50 mm ²	2,517	132	33.1	3000
16095	1 x 70 mm ²	0,684	62	15.6	1050
16096	3 x 70 mm ²	2,704	137	34.3	3150
16440	4 x 70 mm ²	3,467	152	37.9	4200
16097	1 x 95 mm ²	0,910	70	17.4	1425
16098	3 x 95 mm ²	3,491	153	38.2	4275
16441	4 x 95 mm ²	4,458	168	42.1	5700
16099	1 x 120 mm ²	1,150	78	19.2	1800
16100	3 x 120 mm ²	4,447	170	42.6	5400
16442	4 x 120 mm ²	5,692	170	42.6	5400
16101	1 x 150 mm ²	1,427	86	21.4	2250
16102	3 x 150 mm ²	5,498	190	47.4	6750
16103	1 x 185 mm ²	1,731	94	23.6	2775
16104	3 x 185 mm ²	6,599	208	52.1	8325
16105	1 x 240 mm ²	2,339	107	26.8	3600
16106	3 x 240 mm ²	8,891	236	59	10800
15983	4 x 240 mm ²	11,407	263	65.8	14400
16107	1 x 300 mm ²	2,870	123	30.8	4500

Low voltage cables

MarineFlex YOZp 0,6/1 kV



1

Properties

Application:

Lightweight, armoured, flexible low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 5 conductors
- Easy installation in tight spaces due to flexible conductors
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Product group	Shipboard low voltage cable
Type	MarineFlex YOZp 0,6/1 kV
Standardization	IEC 60092-350/-360/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE (VPE)
Conductor category	Class 5 = flexible
Core identification	HD-308 S2
Construction outer shield	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineFlex YOZp 0,6/1 kV



43 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16190	Ja= G ; x mm ²	0,422			
16483	3 x 16 mm ²	0,915	86	21.6	720
16485	4 x 16 mm ²	1,126	94	23.6	960
16487	2 x 25 mm ²	1,106	97	24.2	750
16543	3 x 25 mm ²	1,327	103	25.1	1125
16491	4 x 25 mm ²	1,620	112	28	1500
16456	2 x 35 mm ²	1,382	106	26.6	1050
16191	3 x 35 mm ²	1,699	113	28.2	1575
16192	4 x 35 mm ²	2,121	124	30.9	2100
16523	4 G 35 mm ²	2,091	124	30.9	2100
16193	1 x 50 mm ²	0,590	60	15	750
16194	3 x 50 mm ²	2,217	127	31.7	2250
16195	4 x 50 mm ²	2,727	140	35	3000
17790	4 G 50 mm ²	2,727	139	34.7	3000
16473	5 G 50 mm ²	3,411	155	38.7	3750
16196	1 x 70 mm ²	0,812	69	17.2	1050
16197	3 x 70 mm ²	3,137	146	36.5	3150
16198	4 x 70 mm ²	3,936	162	40.4	4200
16524	4 G 70 mm ²	3,936	162	40.4	4200
16474	5 G 70 mm ²	4,831	178	44.6	5250
16199	1 x 95 mm ²	1,023	75	18.8	1425
16522	2 x 95 mm ²	3,201	154	38.4	2850
16200	3 x 95 mm ²	3,965	165	41.2	4275
16201	4 x 95 mm ²	4,989	181	45.2	5700
16490	4 G 95 mm ²	4,989	181	45.2	5700
16475	5 G 95 mm ²	6,129	199	49.8	7125
16202	1 x 120 mm ²	1,284	83	20.8	1800
16203	3 x 120 mm ²	4,938	181	45.3	5400
16443	4 x 120 mm ²	6,218	200	49.9	7200
16476	4 G 120 mm ²	6,219	200	49.9	7200
16477	5 G 120 mm ²	7,678	220	55.1	9000
16204	1 x 150 mm ²	1,579	92	23	2250
16205	3 x 150 mm ²	6,012	200	50	6750
16539	4 x 150 mm ²	7,692	220	55.1	9000
17791	4 G 150 mm ²	7,610	220	55.1	9000
16206	1 x 185 mm ²	1,897	101	25.2	2775
16207	3 x 185 mm ²	7,192	216	54	8325
16479	4 x 185 mm ²	9,131	240	59.9	11100
16478	4 G 185 mm ²	9,126	240	59.9	11100
16208	1 x 240 mm ²	2,514	114	28.5	3600
16209	3 x 240 mm ²	9,462	247	61.7	10800
15998	4 x 240 mm ²	12,062	274	68.4	14400
16455	1 x 300 mm ²	3,063	125	31.3	4500

Low voltage cables

MarineFlex YOZp 1,8/3 kV



1

Properties

Application:

Lightweight, armoured, frequency drive cables which offer good EMI- and mechanical protection.

Characteristics:

- Class 5 conductors
- Easy installation in tight spaces due to flexible conductors
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Type	MarineFlex YOZp 1,8/3 kV
Product group	Shipboard low voltage cable
Colour outer sheath	Black
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 5 = flexible
Core identification	HD 308 S2
Construction outer shield	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineFlex YOZp 1,8/3 kV



15 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16507	1 x 35 mm ²	0,506	63	15.7	525
16515	3 x 35 mm ²	1,986	128	32.1	1575
16508	1 x 50 mm ²	0,650	69	17.2	750
16516	3 x 50 mm ²	2,205	147	36.7	2250
16509	1 x 70 mm ²	0,863	75	18.8	1050
16517	3 x 70 mm ²	3,565	166	41.6	3150
16510	1 x 95 mm ²	1,082	83	20.8	1425
16518	3 x 95 mm ²	4,375	181	45.3	4275
16511	1 x 120 mm ²	1,323	90	22.6	1800
16519	3 x 120 mm ²	5,304	196	49.1	5400
16512	1 x 150 mm ²	1,613	97	24.2	2250
16520	3 x 150 mm ²	6,353	211	52.7	6750
16513	1 x 185 mm ²	1,936	104	26	2775
16521	3 x 185 mm ²	7,451	224	56	8325
16514	1 x 240 mm ²	2,509	116	29	3600

Low voltage cables

MarineLine YOZp EMC 0,6/1 kV



1

Properties

Low voltage shipboard power cables with enhanced EMC properties for use in sensitive EMC areas and for Variable Frequency Drive applications. Enhanced shielding properties due to optimized tinned copper wire braid in combination with 100% coverage of foil-screen.



Low voltage cables



Specifications

Type	MarineLine YOZp EMC 0,6/1 kV
Product group	Shipboard low voltage cable
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 2 =stranded
Core identification	HD 308 S2
Construction outer shield	EMC-screen consists of copper/PETtape and (CU)braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineLine YOZp EMC 0,6/1 kV



21 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
17341	3 x 1.5 mm ²	0,126	38	9.5	68
16530	4 x 1.5 mm ²	0,151	40	9.9	90
17344	4 G 1.5 mm ²	0,152	40	9.9	90
17342	3 x 2.5 mm ²	0,163	42	10.4	113
16531	4 x 2.5 mm ²	0,205	45	11.2	150
16533	19 x 2.5 mm ²	0,794	90	22.4	713
17345	4 G 2.5 mm ²	0,205	45	11.2	150
16532	2 x 4 mm ²	0,174	43	10.7	120
17177	3 x 4 mm ²	0,224	46	11.6	180
16638	4 x 4 mm ²	0,278	50	12.6	240
17346	4 G 4 mm ²	0,276	50	12.5	240
17343	3 x 6 mm ²	0,286	52	13	270
17347	4 G 6 mm ²	0,365	56	13.9	360
17193	3 x 10 mm ²	0,461	61	15.2	450
17780	3 x 10 mm ²	0,456	61	15.2	450
17219	4 G 10 mm ²	0,580	67	16.8	600
17348	3 x 16 mm ²	0,657	70	17.6	720
17176	3 G 16 mm ²	0,909	84	20.9	990
17184	4 G 16 mm ²	0,821	77	19.3	960
17197	3 x 25 mm ²	0,998	86	21.5	1125
17781	3 x 25 mm ²	1,006	86	21.5	1125

Low voltage cables

MarineLine+ YOZp EMC 0,6/1 kV



1

Properties

Application:

Armoured, heavy duty, low voltage power cables for power and lighting applications in all ship areas where EMC protection is needed.

Characteristics:

- Class 2 conductors
- Designed for situations where Electro-Magnetic Interference needs to be limited to the minimum
- Halogen free and low smoke, flame retardant in fire conditions
- Extruded inner bedding makes the cable perfectly round
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Type	MarineLine+ YOZp EMC 0,6/1 kV
Product group	Shipboard low voltage cable
Colour outer sheath	Black
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 2 = stranded
Core identification	HD 308 S2
Construction outer shield	EMC-screen consists of copper/PET tape and (CU) braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineLine+ YOZp EMC 0,6/1 kV**2 products**

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
17179	3 x 16 mm ²	0,879	78	19.7	720
17215	3 x 25 mm ²	1,269	93	23.5	1125

Low voltage cables

MarineFlex YOZp EMC 0,6/1 kV



1

Properties

Application:

Lightweight, armoured, flexible low voltage power cables for power and lighting applications in all ship areas where EMC protection is needed.

Characteristics:

- Class 5 conductors
- Easy installation in tight spaces due to flexible conductors
- Halogen free and low smoke, flame retardant in fire conditions
- Combined screen of copper-pet tape and tinned copper wire braid for optimal screening
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Type	MarineFlex YOZp EMC 0,6/1 kV
Product group	Shipboard low voltage cable
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 5 = flexible
Core identification	HD-308S2
Construction outer shield	EMC-screen consists of copper/PET tape and (CU) braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineFlex YOZp EMC 0,6/1 kV



13 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
17198	3 x 35 mm ²	1,726	113	28.3	1575
55902	3 x 35 mm ²	2,357	126	31.3	1845
17217	4 x 35 mm ²	2,146	124	31	2100
17199	3 x 50 mm ²	2,246	127	31.8	2250
17178	3 x 70 mm ²	3,205	148	37	3150
17183	4 G 70 mm ²	3,992	162	41	4200
17218	1 x 95 mm ²	1,116	75	18.8	1425
17195	3 x 95 mm ²	3,903	165	41.3	4275
17214	4 x 95 mm ²	5,432	181	45.3	5700
17213	3 x 120 mm ²	5,010	182	45.4	5400
55903	3 x 120 mm ²	5,836	194	48.5	5400
17216	3 x 150 mm ²	6,129	200	50.1	6750
17194	1 x 185 mm ²	2,004	101	25.3	2775

Low voltage cables

MarineFlex YOZp EMC 1,8/3 kV



1

Properties

Application:

Lightweight, EMC screened and armoured, special frequency drive cables which offer excellent EMI- and mechanical protection, where Electro-Magnetic Interference needs to be limited to the minimum.

Characteristics:

- Class 5 conductors
- Easy installation in tight spaces due to flexible conductors
- Halogen free and low smoke, flame retardant in fire conditions
- Combined screen of copper-pet tape and tinned copper wire braid for optimal screening
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Type	MarineFlex YOZp EMC 1,8/3 kV
Product group	Shipboard low voltage cable
Colour outer sheath	Black
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 5 = flexible
Core identification	HD-308S2
Construction outer shield	EMC-screen consists of copper/PET tape and (CU) braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineFlex YOZp EMC 1,8/3 kV



7 products

Partnumber	Construction	Net weight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
17782	3 x 35 mm ²	2,253	138	34.5	1575
17826	3 x 50 mm ²	2,774	150	37.4	2250
17783	3 x 70 mm ²	3,581	165	41.3	3150
17784	3 x 95 mm ²	4,453	182	45.4	4275
17785	3 x 120 mm ²	5,784	207	51.8	5400
55901	3 G 120 mm ²	6,769	226	57	10000
55900	1 x 185 mm ²	1,952	104	26.1	2775

Low voltage cables

MarineMultiFlex BOQp 0,6/1 kV



1

Properties

Application:

Lightweight, armoured, double screened, low voltage power cables for power and lighting applications in all ship areas. Applicable where repeated bending and working in harsh environments is required, like azipod drives, powering underwater dredger motors and use in cable chains.

Characteristics:

- Class 5 conductors
- Filled cable for grant optimal sealing in cable transits
- Halogen free and low smoke, flame retardant in fire conditions
- High abrasion resistance due to PUR outer sheath and a special combined EMI screening for use in frequency drive applications
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Type	MarineMultiFlex BOQp 0,6/1 kV
Product group	Shipboard low voltage cable
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu, tinned
Shape of conductor	Round
Core insulation	Rubber (EPR)
Conductor category	Class 5 = flexible
Core identification	HD 308S2
Construction outer shield	EMC-screen consists of copper/PETtape and (CU) braiding
Material outer sheath	PUR (Polyurethane)
Colour outer sheath	Black
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineMultiFlex BOQp 0,6/1 kV**2 products**

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
17349	3 x 50 mm ²	3,327	258	43	2250
17351	3 x 95 mm ²	5,254	317	52.9	4275

Low voltage cables

MarineMultiFlex BOQp 1,8/3 kV



1

Properties

Application:

Lightweight, armoured, double screened, low voltage power cables for power and lighting applications in all ship areas. Applicable where repeated bending and working in harsh environments is required, like azipod drives, powering underwater dredger motors and use in cable chains.

Characteristics:

- Class 5 conductors
- Filled cable for grant optimal sealing in cable transits
- Halogen free and low smoke, flame retardant in fire conditions
- High abrasion resistance due to PUR outer sheath and a special combined EMI screening for use in frequency drive applications
- Different outer sheaths, other than black, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Type	MarineMultiFlex BOQp 1,8/3 kV
Product group	Shipboard low voltage cable
Colour outer sheath	Black
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu, tinned
Shape of conductor	Round
Core insulation	Rubber (EPR)
Conductor category	Class 5 = flexible
Core identification	HD 308 S2
Construction outer shield	EMC-screen consists of copper/PETtape and (CU) braiding
Material outer sheath	PUR(Polyurethane)
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineMultiFlex BOQp 1,8/3 kV**2 products**

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16544	3 x 120 mm ²	5,673	316	52.6	5400
16545	3 x 150 mm ²	7,093	345	57.5	6750

Low voltage cables

MarineLine YZp FR0,6/1 kV



1

Properties

Application:

Lightweight, fire resistant, unarmoured, reduced diameter low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke, flame retardant in fire conditions
- Fire resistant according IEC60331
- Different outer sheaths, other than orange, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Product group	Shipboard low voltage cable
Type	MarineLine YZp FR0,6/1 kV
Colour outer sheath	Orange
Standardization	IEC 60092-350/-360/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	Mica + XLPE
Conductor category	Class 2 =stranded
Core identification	HD 308 S2
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineLine YZp FR0,6/1 kV



34 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
26001	2 x 1.5 mm ²	0,076	34	8.5	45
26002	3 x 1.5 mm ²	0,098	36	9	68
26003	4 x 1.5 mm ²	0,122	39	9.8	90
26004	5 x 1.5 mm ²	0,147	43	10.7	113
26006	7 x 1.5 mm ²	0,191	47	11.8	158
26009	12 x 1.5 mm ²	0,312	63	15.8	270
26011	19 x 1.5 mm ²	0,482	78	19.4	428
26013	27 x 1.5 mm ²	0,663	91	22.7	608
26080	3 G 1.5 mm ²	0,098	36	9	68
26081	4 G 1.5 mm ²	0,121	39	9.8	90
26082	5 G 1.5 mm ²	0,147	43	10.7	113
26017	2 x 2.5 mm ²	0,102	39	9.7	75
26018	3 x 2.5 mm ²	0,134	41	10.3	113
26019	4 x 2.5 mm ²	0,172	46	11.4	150
26020	5 x 2.5 mm ²	0,211	50	12.5	188
26022	7 x 2.5 mm ²	0,269	54	13.6	263
26084	3 G 2.5 mm ²	0,133	41	10.3	113
26085	4 G 2.5 mm ²	0,172	46	11.4	150
26086	5 G 2.5 mm ²	0,211	50	12.5	188
26024	2 x 4 mm ²	0,135	42	10.5	120
26025	3 x 4 mm ²	0,179	43	10.7	180
26026	4 x 4 mm ²	0,234	48	11.9	240
26028	2 x 6 mm ²	0,187	51	12.8	180
26029	3 x 6 mm ²	0,253	54	13.6	270
26030	4 x 6 mm ²	0,332	60	15.1	360
26032	2 x 10 mm ²	0,273	56	13.9	300
26033	3 x 10 mm ²	0,376	59	14.8	450
26034	4 x 10 mm ²	0,487	65	16.2	600
26036	2 x 16 mm ²	0,397	63	15.8	480
26037	3 x 16 mm ²	0,565	68	17	720
26038	4 x 16 mm ²	0,733	75	18.7	960
26041	3 x 25 mm ²	0,895	84	21	1125
26042	4 x 25 mm ²	1,155	93	23.3	1500
26063	1 x 150 mm ²	1,534	86	21.5	2250

Low voltage cables

MarineLine YZp X-FR 0,6/1 kV



1

Properties

Application:

Lightweight, fire resistant, unarmoured, reduced diameter low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke, flame retardant in fire conditions
- Fire resistant according IEC 60331 1/2
- Different outer sheaths, other than orange, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Type	MarineLine YZp X-FR 0,6/1 kV
Product group	Shipboard low voltage cable
Colour outer sheath	Orange
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Product dependent
Core insulation	Mica + XLHFFR
Conductor category	Class 2 =stranded
Core identification	HD 308 S2
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineLine YZp X-FR 0,6/1 kV



84 products

Partnumber	Construction	Shape of conductor	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensileload
27000	1 x 1.5 mm ²	Round	0,048	23	5.8	23
27001	2 x 1.5 mm ²	Round	0,099	40	9.9	45
27002	3 x 1.5 mm ²	Round	0,128	42	10.5	68
27003	4 x 1.5 mm ²	Round	0,160	46	11.5	90
27004	5 x 1.5 mm ²	Round	0,201	51	12.8	113
27005	6 x 1.5 mm ²	Round	0,238	56	13.9	135
27006	7 x 1.5 mm ²	Round	0,254	56	13.9	158
27007	8 x 1.5 mm ²	Round	0,290	52	13	180
27008	10 x 1.5 mm ²	Round	0,363	63	15.7	225
27009	12 x 1.5 mm ²	Round	0,417	59	14.8	270
27010	16 x 1.5 mm ²	Round	0,551	68	16.9	360
27011	19 x 1.5 mm ²	Round	0,636	73	18.2	428
27012	24 x 1.5 mm ²	Round	0,832	103	25.6	540
27013	27 x 1.5 mm ²	Round	0,892	110	27.4	608
27014	30 x 1.5 mm ²	Round	0,983	113	28.3	675
27015	37 x 1.5 mm ²	Round	1,196	125	31.2	833
27080	3 G 1.5 mm ²	Round	0,128	42	10.5	68
27081	4 G 1.5 mm ²	Round	0,160	47	11.7	90
27082	5 G 1.5 mm ²	Round	0,199	51	12.8	113
27083	7 G 1.5 mm ²	Round	0,261	56	14.1	158
27016	1 x 2.5 mm ²	Round	0,061	25	6.3	38
27017	2 x 2.5 mm ²	Round	0,125	44	10.9	75
27018	3 x 2.5 mm ²	Round	0,165	46	11.5	113
27019	4 x 2.5 mm ²	Round	0,215	51	12.8	150
27020	5 x 2.5 mm ²	Round	0,263	56	14.1	188
27021	6 x 2.5 mm ²	Round	0,310	61	15.3	225
27022	7 x 2.5 mm ²	Round	0,336	61	15.3	263
27084	3 G 2.5 mm ²	Round	0,170	38	9.5	113
27085	4 G 2.5 mm ²	Round	0,214	51	12.8	150
27086	5 G 2.5 mm ²	Round	0,270	46	11.6	188
27087	7 G 2.5 mm ²	Round	0,336	61	15.3	263
27023	1 x 4 mm ²	Round	0,079	27	6.8	60
27024	2 x 4 mm ²	Round	0,164	48	11.9	120
27025	3 x 4 mm ²	Round	0,223	51	12.8	180
27026	4 x 4 mm ²	Round	0,286	56	14	240
27088	3 G 4 mm ²	Round	0,227	51	12.8	180
27089	4 G 4 mm ²	Round	0,288	56	14	240
27027	1 x 6 mm ²	Round	0,102	30	7.4	90
27028	2 x 6 mm ²	Round	0,214	53	13.2	180
27029	3 x 6 mm ²	Round	0,291	56	14	270
27030	4 x 6 mm ²	Round	0,381	62	15.6	360
27090	3 G 6 mm ²	Round	0,291	57	14.2	270
27091	4 G 6 mm ²	Round	0,384	62	15.6	360
27031	1 x 10 mm ²	Round	0,143	32	8.1	150
27032	2 x 10 mm ²	Round	0,306	59	14.7	300
27033	3 x 10 mm ²	Round	0,432	63	15.8	450
27034	4 x 10 mm ²	Round	0,561	70	17.4	600

Low voltage cables

MarineLine YZp X-FR 0,6/1 kV



1

Low voltage cables

Partnumber	Construction	Shape of conductor	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensile load
27092	3 G 10 mm ²	Round	0,431	63	15.8	450
27093	4 G 10 mm ²	Round	0,561	70	17.4	600
27035	1 x 16 mm ²	Round	0,210	38	9.4	240
27036	2 x 16 mm ²	Round	0,436	69	17.2	480
27037	3 x 16 mm ²	Round	0,618	74	18.4	720
27038	4 x 16 mm ²	Round	0,806	81	20.3	960
27094	3 G 16 mm ²	Round	0,628	74	18.4	720
27095	4 G 16 mm ²	Round	0,811	80	20.1	960
27039	1 x 25 mm ²	Round	0,323	45	11.2	375
27040	2 x 25 mm ²	Round	0,694	84	21.4	750
27041	3 x 25 mm ²	Round	0,977	90	23	1125
27042	4 x 25 mm ²	Round	1,265	100	24.9	1500
27043	1 x 35 mm ²	Round	0,419	49	12.3	525
27044	2 x 35 mm ²	Round	0,902	92	23.5	1050
27045	3 x 35 mm ²	Sector-shaped	1,272	87	21.7	1575
27046	4 x 35 mm ²	Sector-shaped	1,733	101	25.3	2100
27047	1 x 50 mm ²	Round	0,551	56	14.1	750
27048	2 x 50 mm ²	Round	1,222	109	28.5	1500
27049	3 x 50 mm ²	Sector-shaped	1,678	98	24.4	2250
27050	4 x 50 mm ²	Sector-shaped	2,219	113	28.2	3000
27051	1 x 70 mm ²	Round	0,764	64	16	1050
27053	3 x 70 mm ²	Sector-shaped	2,367	113	28.2	3150
27054	4 x 70 mm ²	Sector-shaped	3,116	131	32.7	4200
27055	1 x 95 mm ²	Round	1,030	73	18.3	1425
27057	3 x 95 mm ²	Sector-shaped	3,200	126	31.5	4275
27058	4 x 95 mm ²	Sector-shaped	4,195	147	36.8	5700
27059	1 x 120 mm ²	Round	1,292	80	19.9	1800
27061	3 x 120 mm ²	Sector-shaped	3,891	140	34.9	5400
27062	4 x 120 mm ²	Sector-shaped	5,255	164	40.9	7200
27063	1 x 150 mm ²	Round	1,566	88	22	2250
27065	3 x 150 mm ²	Sector-shaped	4,861	153	38.2	6750
27066	4 x 150 mm ²	Sector-shaped	6,435	182	45.4	9000
27067	1 x 185 mm ²	Round	1,941	99	24.7	2775
27069	3 x 185 mm ²	Sector-shaped	5,996	171	42.7	8325
27070	4 x 185 mm ²	Sector-shaped	7,963	196	49	11100
27071	1 x 240 mm ²	Round	2,499	109	27.3	3600
27075	1 x 300 mm ²	Round	3,019	123	30.8	4500

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineLine YOZp FR0,6/1 kV



Properties

Application:

Lightweight, fire resistant, armoured, reduced diameter low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke, flame retardant in fire conditions
- Fire resistant according IEC60331
- Different outer sheaths, other than orange, available on request

Core identification:

- HD308S2



Specifications

Type	MarineLine YOZp FR0,6/1 kV
Product group	Shipboard low voltage cable
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Product dependent
Core insulation	Mica +XLPE
Conductor category	Class 2 =stranded
Core identification	HD 308 S2
Construction outer shield	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Orange
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineLine YOZp FR0,6/1 kV



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Low voltage cables

49 products

Partnumber	Construction	Shape of conductor	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
26101	2 x 1.5 mm ²	Round	0,108	37	9.2	45
26102	3 x 1.5 mm ²	Round	0,133	39	9.7	68
26104	5 x 1.5 mm ²	Round	0,194	46	11.6	113
26105	6 x 1.5 mm ²	Round	0,225	50	12.5	135
26106	7 x 1.5 mm ²	Round	0,236	50	12.5	158
16448	12 x 1.5 mm ²	Round	0,421	68	17.1	270
26109	12 x 1.5 mm ²	Round	0,422	68	17.1	270
26111	19 x 1.5 mm ²	Round	0,632	83	20.7	428
16451	27 x 1.5 mm ²	Round	0,816	96	23.9	608
26113	27 x 1.5 mm ²	Round	0,816	96	24	608
26181	4G 1.5 mm ²	Round	0,160	42	10.5	90
26182	5G 1.5 mm ²	Round	0,193	46	11.6	113
26117	2 x 2.5 mm ²	Round	0,142	42	10.4	75
26118	3 x 2.5 mm ²	Round	0,179	45	11.2	113
26119	4 x 2.5 mm ²	Round	0,217	48	12.1	150
26120	5 x 2.5 mm ²	Round	0,258	53	13.2	188
26121	6 x 2.5 mm ²	Round	0,347	60	15.1	225
26122	7 x 2.5 mm ²	Round	0,366	60	15.1	263
26183	21 x 2.5 mm ²	Round	0,926	102	25.2	788
26184	3G 2.5 mm ²	Round	0,179	45	11.2	113
26185	4G 2.5 mm ²	Round	0,214	48	12.1	150
26186	5G 2.5 mm ²	Round	0,258	53	13.2	188
26124	2 x 4 mm ²	Round	0,181	46	11.4	120
26125	3 x 4 mm ²	Round	0,225	46	11.6	180
26126	4 x 4 mm ²	Round	0,284	52	13.1	240
26128	2 x 6 mm ²	Round	0,235	52	12.9	180
26129	3 x 6 mm ²	Round	0,302	54	13.6	270
26130	4 x 6 mm ²	Round	0,421	66	16.6	360
26131	1 x 10 mm ²	Round	0,163	34	8.5	150
26132	2 x 10 mm ²	Round	0,365	61	15.2	300
26133	3 x 10 mm ²	Round	0,480	64	16.1	450
26134	4 x 10 mm ²	Round	0,610	71	17.7	600
26135	1 x 16 mm ²	Round	0,227	38	9.4	240
26136	2 x 16 mm ²	Round	0,507	69	17.3	480
26137	3 x 16 mm ²	Round	0,678	73	18.3	720
26138	4 x 16 mm ²	Round	0,876	81	20.2	960
26139	1 x 25 mm ²	Round	0,338	46	11.4	375
26140	2 x 25 mm ²	Round	0,771	84	21	750
26141	3 x 25 mm ²	Round	1,036	90	22.5	1125
26142	4 x 25 mm ²	Round	1,309	99	24.8	1500
26145	3 x 35 mm ²	Sector-shaped	1,434	174	21.7	1575
26146	4 x 35 mm ²	Sector-shaped	1,734	198	24.7	2100
26149	3 x 50 mm ²	Sector-shaped	1,780	192	24	2250
26150	4 x 50 mm ²	Sector-shaped	2,232	222	27.7	3000
26153	3 x 70 mm ²	Sector-shaped	2,459	224	28	3150
26154	4 x 70 mm ²	Sector-shaped	3,126	252	31.5	4200
26157	3 x 95 mm ²	Sector-shaped	3,273	266	33.3	4275

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineLine YOZp FR0,6/1 kV



Partnumber	Construction	Shape of conductor	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
26161	3 x 120 mm ²	Sector-shaped	4,000	278	34.7	5400
26163	1 x 150 mm ²	Round	1,675	92	23.1	2250

Low voltage cables

MarineLine YOZp X-FR 0,6/1 kV



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Properties

Application:

Lightweight, fire resistant, armoured, reduced diameter low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke, flame retardant in fire conditions
- Fire resistant according IEC 60331 1/2
- Different outer sheaths, other than orange, available on request

Core identification:

- HD308S2



Low voltage cables

Specifications

Product group	Shipboard low voltage cable
Type	MarineLine YOZp X-FR 0,6/1 kV
Core identification	HD 308 S2
Colour outer sheath	Orange
Standardization	IEC 60092-350/-360/-353
Conductor material	Cu
Shape of conductor	Product dependent
Core insulation	Mica + XLHFFR
Conductor category	Class 2 =stranded
Construction outer shield	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineLine YOZp X-FR 0,6/1 kV



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Part number	Construction	Shape of conductor	Net weight (kg/m)	Min. bending installation	Outer diameter approx.	Tensile load
27100	1 x 1.5 mm ²	Round	0,079	26	6.5	23
27101	2 x 1.5 mm ²	Round	0,135	42	10.6	45
27102	3 x 1.5 mm ²	Round	0,168	45	11.2	68
27103	4 x 1.5 mm ²	Round	0,210	50	12.4	90
27104	5 x 1.5 mm ²	Round	0,251	54	13.5	113
27105	6 x 1.5 mm ²	Round	0,326	59	14.8	135
27106	7 x 1.5 mm ²	Round	0,342	59	14.8	158
27107	8 x 1.5 mm ²	Round	0,426	68	16.9	180
27108	10 x 1.5 mm ²	Round	0,578	78	19.4	225
27109	12 x 1.5 mm ²	Round	0,542	80	20	270
27110	16 x 1.5 mm ²	Round	0,703	90	22.6	360
27111	19 x 1.5 mm ²	Round	0,791	97	24.3	428
27112	24 x 1.5 mm ²	Round	0,962	108	26.8	540
27113	27 x 1.5 mm ²	Round	1,077	114	28.5	608
27114	30 x 1.5 mm ²	Round	1,090	118	29.4	675
27115	37 x 1.5 mm ²	Round	1,411	131	32.7	833
27180	3G 1.5 mm ²	Round	0,167	45	11.2	68
27181	4G 1.5 mm ²	Round	0,210	50	12.4	90
27182	5G 1.5 mm ²	Round	0,250	54	13.5	113
27183	7G 1.5 mm ²	Round	0,426	59	14.8	158
27172	10G 1.5 mm ²	Round	0,484	78	19.2	225
27173	14G 1.5 mm ²	Round	0,624	86	21.3	315
27174	19G 1.5 mm ²	Round	0,790	97	24.1	428
27116	1 x 2.5 mm ²	Round	0,092	28	7	38
27117	2 x 2.5 mm ²	Round	0,172	47	11.8	75
27118	3 x 2.5 mm ²	Round	0,215	50	12.4	113
27119	4 x 2.5 mm ²	Round	0,330	55	13.7	150
27120	5 x 2.5 mm ²	Round	0,372	60	15	188
27196	19 x 2.5 mm ²	Round	1,043	110	27.4	713
27398	21 x 2.5 mm ²	Round	1,128	110	28.5	713
27184	3G 2.5 mm ²	Round	0,215	50	12.4	113
27185	4G 2.5 mm ²	Round	0,330	55	13.7	150
27186	5G 2.5 mm ²	Round	0,351	60	15.8	188
27187	7G 2.5 mm ²	Round	0,440	67	16.8	263
27123	1 x 4 mm ²	Round	0,111	30	7.5	60
27124	2 x 4 mm ²	Round	0,214	51	12.8	120
27125	3 x 4 mm ²	Round	0,320	55	13.7	180
27126	4 x 4 mm ²	Round	0,401	62	15.5	240
27188	3 G 4 mm ²	Round	0,275	54	13.5	180
27189	4 G 4 mm ²	Round	0,401	62	15.5	240
27178	5 G 4 mm ²	Round	0,465	68	17.1	300
27127	1 x 6 mm ²	Round	0,133	32	8.1	90
27128	2 x 6 mm ²	Round	0,310	56	14.1	180
27129	3 x 6 mm ²	Round	0,406	62	15.5	270
27130	4 x 6 mm ²	Round	0,481	68	16.9	360
27190	3 G 6 mm ²	Round	0,386	62	15.5	270
27191	4 G 6 mm ²	Round	0,480	68	16.9	360

Low voltage cables

MarineLine YOZp X-FR 0,6/1 kV



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Low voltage cables

Partnumber	Construction	Shape of conductor	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensileload
16457	5 G 6 mm ²	Round	0,592	75	18.7	450
27131	1 x 10 mm ²	Round	0,178	36	9	150
27132	2 x 10 mm ²	Round	0,420	65	16.2	300
27133	3 x 10 mm ²	Round	0,519	68	17.1	450
27134	4 x 10 mm ²	Round	0,667	76	18.9	600
27192	3 G 10 mm ²	Round	0,518	68	17.1	450
27193	4 G 10 mm ²	Round	0,666	76	18.9	600
16458	5 G 10 mm ²	Round	0,814	83	20.8	750
27135	1 x 16 mm ²	Round	0,249	40	10	240
27136	2 x 16 mm ²	Round	0,587	75	18.7	480
27137	3 x 16 mm ²	Round	0,772	79	19.7	720
27138	4 x 16 mm ²	Round	0,946	87	21.8	960
27194	3 G 16 mm ²	Round	0,732	79	19.7	720
27195	4 G 16 mm ²	Round	0,945	87	21.8	960
16459	5 G 16 mm ²	Round	1,166	96	24.1	1200
27139	1 x 25 mm ²	Round	0,372	48	12.1	375
27140	2 x 25 mm ²	Round	0,861	90	22.4	750
27141	3 x 25 mm ²	Round	1,145	95	23.7	1125
27142	4 x 25 mm ²	Round	1,426	105	26.2	1500
16460	4 G 25 mm ²	Round	1,424	105	26.2	1500
16461	5 G 25 mm ²	Round	1,785	117	29.2	1875
27143	1 x 35 mm ²	Round	0,469	52	13.1	525
27144	2 x 35 mm ²	Round	1,032	98	24.4	1050
27145	3 x 35 mm ²	Sector-shaped	1,410	93	23.2	1575
27146	4 x 35 mm ²	Sector-shaped	1,871	106	26.6	2100
27147	1 x 50 mm ²	Round	0,727	63	15.7	750
27148	2 x 50 mm ²	Round	1,336	115	28.8	1500
27149	3 x 50 mm ²	Sector-shaped	1,842	104	25.9	2250
27150	4 x 50 mm ²	Sector-shaped	2,385	119	29.7	3000
17361	5 G 50 mm ²	Round	3,107	156	38.6	3750
27151	1 x 70 mm ²	Round	0,951	70	17.4	1050
27153	3 x 70 mm ²	Sector-shaped	2,556	119	29.7	3150
27154	4 x 70 mm ²	Sector-shaped	3,291	136	34	4200
27155	1 x 95 mm ²	Round	1,188	79	19.7	1425
27157	3 x 95 mm ²	Sector-shaped	3,382	131	32.8	4275
27158	4 x 95 mm ²	Sector-shaped	4,536	155	38.7	5700
27179	5 G 95 mm ²	Round	2,282	128	31.9	7125
27159	1 x 120 mm ²	Round	1,432	86	21.5	1800
27161	3 x 120 mm ²	Sector-shaped	4,248	147	36.8	5400
27162	4 x 120 mm ²	Sector-shaped	5,625	171	42.8	7200
27163	1 x 150 mm ²	Round	1,734	94	23.4	2250
27165	3 x 150 mm ²	Sector-shaped	5,253	160	40.1	6750
27166	4 x 150 mm ²	Sector-shaped	6,868	188	47.1	9000
27167	1 x 185 mm ²	Round	2,102	104	26.1	2775
27169	3 x 185 mm ²	Sector-shaped	6,447	178	44.6	8325
27170	4 x 185 mm ²	Sector-shaped	8,476	204	50.9	11100
27171	1 x 240 mm ²	Round	2,678	115	28.7	3600
27175	1 x 300 mm ²	Round	3,235	130	32.4	4500

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineLine+ YZp X-FR 0,6/1 kV



Properties

Application:

Unmoured, heavy duty, fire resistant, low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Extruded inner bedding makes the cable perfectly round
- Halogen free and low smoke, flame retardant in fire conditions
- Fire resistant according IEC 60331 1/2
- Different outer sheaths, other than orange, available on request

Core identification:

- HD308S2

Specifications

Type	MarineLine+ YZp X-FR 0,6/1 kV
Product group	Shipboard low voltage cable
Colour outer sheath	Orange
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	Mica + XLHFFR
Conductor category	Class 2 = stranded
Core identification	HD 308 S2
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineLine+ YZp X-FR 0,6/1 kV



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Low voltage cables

41 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
27200	2 x 1.5 mm ²	0,168	43	10.8	45
27201	3 x 1.5 mm ²	0,190	46	11.4	68
27202	4 x 1.5 mm ²	0,223	50	12.4	90
27203	5 x 1.5 mm ²	0,271	55	13.7	113
27280	3 G 1.5 mm ²	0,191	46	11.4	68
27281	4 G 1.5 mm ²	0,223	50	12.4	90
27282	5 G 1.5 mm ²	0,271	55	13.7	113
27204	2 x 2.5 mm ²	0,209	47	11.8	75
27205	3 x 2.5 mm ²	0,238	50	12.4	113
27206	4 x 2.5 mm ²	0,288	55	13.7	150
27207	5 x 2.5 mm ²	0,346	60	15	188
27283	3 G 2.5 mm ²	0,237	50	12.4	113
27284	4 G 2.5 mm ²	0,288	55	13.7	150
27285	5 G 2.5 mm ²	0,346	60	15	188
27208	2 x 4 mm ²	0,270	52	13	120
27209	3 x 4 mm ²	0,314	55	13.7	180
27210	4 x 4 mm ²	0,378	60	14.9	240
27286	3 G 4 mm ²	0,314	55	13.7	180
27287	4 G 4 mm ²	0,377	60	14.9	240
27288	5 G 4 mm ²	0,459	66	16.5	300
27211	2 x 6 mm ²	0,334	56	14.1	180
27212	3 x 6 mm ²	0,394	60	14.9	270
27213	4 x 6 mm ²	0,490	66	16.5	360
27289	3 G 6 mm ²	0,394	60	14.9	270
27290	4 G 6 mm ²	0,489	66	16.5	360
27291	5 G 6 mm ²	0,585	72	18.1	450
27214	2 x 10 mm ²	0,463	63	15.8	300
27215	3 x 10 mm ²	0,549	68	16.9	450
27216	4 x 10 mm ²	0,702	74	18.5	600
27292	3 G 10 mm ²	0,560	67	16.7	450
27293	4 G 10 mm ²	0,701	74	18.5	600
27294	5 G 10 mm ²	0,840	81	20.2	750
27217	2 x 16 mm ²	0,651	72	18.1	480
27218	3 x 16 mm ²	0,807	77	19.3	720
27219	4 x 16 mm ²	1,005	85	21.2	960
27295	3 G 16 mm ²	0,806	77	19.3	720
27296	4 G 16 mm ²	1,004	85	21.2	960
27297	5 G 16 mm ²	1,229	94	23.5	1200
27220	2 x 25 mm ²	0,980	88	22	750
27221	3 x 25 mm ²	1,203	93	23.3	1125
27222	4 x 25 mm ²	1,512	103	25.8	1500

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineLine+ YOZp X-FR 0,6/1 kV



Properties

Application:

Armoured, heavy duty, fire resistant, low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- Class 2 conductors
- Extruded inner bedding makes the cable perfectly round
- Halogen free and low smoke, flame retardant in fire conditions
- Fire resistant according IEC 60331 1/2
- Different outer sheaths, other than orange, available on request

Core identification:

- HD308S2

Specifications

Type	MarineLine+ YOZp X-FR 0,6/1 kV
Product group	Shipboard low voltage cable
Colour outer sheath	Orange
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	Mica + XLHFFR
Conductor category	Class 2 = stranded
Core identification	HD 308 S2
Construction outer shield	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineLine+ YOZp X-FR 0,6/1 kV



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Low voltage cables

41 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
27300	2 x 1.5 mm ²	0,243	50	12.4	45
27301	3 x 1.5 mm ²	0,269	52	13	68
27302	4 x 1.5 mm ²	0,353	58	14.4	90
27303	5 x 1.5 mm ²	0,409	62	15.5	113
27380	3 G 1.5 mm ²	0,269	52	13	68
27381	4 G 1.5 mm ²	0,366	59	14.8	90
27382	5 G 1.5 mm ²	0,415	64	15.9	113
27304	2 x 2.5 mm ²	0,337	55	13.8	75
27305	3 x 2.5 mm ²	0,368	58	14.4	113
27306	4 x 2.5 mm ²	0,429	62	15.5	150
27307	5 x 2.5 mm ²	0,497	70	17.4	188
27383	3 G 2.5 mm ²	0,367	58	14.4	113
27385	5 G 2.5 mm ²	0,518	70	17.4	188
27308	2 x 4 mm ²	0,408	61	15.2	120
27309	3 x 4 mm ²	0,450	64	15.9	180
27310	4 x 4 mm ²	0,524	69	17.3	240
27386	3 G 4 mm ²	0,458	64	15.9	180
27387	4 G 4 mm ²	0,545	69	17.3	240
27388	5 G 4 mm ²	0,631	75	18.7	300
27311	2 x 6 mm ²	0,482	65	16.3	180
27312	3 x 6 mm ²	0,544	69	17.3	270
27313	4 x 6 mm ²	0,668	75	18.7	360
27389	3 G 6 mm ²	0,566	69	17.3	270
27390	4 G 6 mm ²	0,668	75	18.7	360
27391	5 G 6 mm ²	0,794	82	20.5	450
27314	2 x 10 mm ²	0,622	72	18	300
27315	3 x 10 mm ²	0,715	76	19.1	450
27316	4 x 10 mm ²	0,885	83	20.7	600
27392	3 G 10 mm ²	0,736	76	19.1	450
27393	4 G 10 mm ²	0,884	83	20.7	600
27394	5 G 10 mm ²	1,049	90	22.6	750
27317	2 x 16 mm ²	0,851	82	20.5	480
27318	3 x 16 mm ²	0,999	86	21.5	720
27319	4 x 16 mm ²	1,226	94	23.6	960
27395	3 G 16 mm ²	0,998	86	21.5	720
27396	4 G 16 mm ²	1,226	94	23.6	960
27397	5 G 16 mm ²	1,471	104	25.9	1200
27320	2 x 25 mm ²	1,221	97	24.2	750
27321	3 x 25 mm ²	1,432	103	25.7	1125
27322	4 x 25 mm ²	1,786	112	28	1500
27177	5 G 50 mm ²	3,899	169	42.2	3750

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineFlex YZp X-FR 0,6/1 kV**Properties****Application:**

Unarmoured, heavy duty, fire resistant, ultra flexible, low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- The only flexible fire resistant class 5 conductor cable
- Lightweight
- Halogen free and low smoke, flame retardant in fire conditions
- Fire resistant according IEC 60331 1/2
- Different outer sheaths, other than orange, available on request

Core identification:

- HD308S2

Specifications

Type	MarineFlex YZp X-FR 0,6/1 kV
Product group	Shipboard low voltage cable
Colour outer sheath	Orange
Standardization	IEC 60092-350/-351/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	Mica + XLHFFR
Conductor category	Class 5 = flexible
Core identification	HD 308 S2
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineFlex YZp X-FR 0,6/1 kV



1

Low voltage cables

27 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
27223	3 x 16 mm ²	0,631	78	19.4	720
27230	1 x 35 mm ²	0,411	52	12.9	525
27231	2 x 35 mm ²	1,246	100	25	1050
27232	3 x 35 mm ²	1,549	107	26.7	1575
27233	4 x 35 mm ²	1,986	119	29.7	2100
27234	1 x 50 mm ²	0,542	57	14.3	750
27235	2 x 50 mm ²	1,637	113	28.2	1500
27236	3 x 50 mm ²	2,045	120	30	2250
27237	4 x 50 mm ²	2,618	133	33.3	3000
27238	1 x 70 mm ²	0,745	66	16.4	1050
27240	3 x 70 mm ²	2,795	138	34.5	3150
27241	4 x 70 mm ²	3,584	153	38.3	4200
27242	1 x 95 mm ²	0,969	74	18.4	1425
27244	3 x 95 mm ²	3,591	154	38.5	4275
27245	4 x 95 mm ²	4,624	171	42.8	5700
27246	1 x 120 mm ²	1,234	85	21.2	1800
27248	3 x 120 mm ²	4,638	179	44.8	5400
27249	4 x 120 mm ²	5,949	200	49.9	7200
27250	1 x 150 mm ²	1,491	90	22.5	2250
27252	3 x 150 mm ²	5,544	189	47.3	6750
27253	4 x 150 mm ²	7,153	211	52.8	9000
27254	1 x 185 mm ²	1,801	98	24.4	2775
27256	3 x 185 mm ²	6,691	206	51.6	8325
27257	4 x 185 mm ²	8,656	230	57.5	11100
27258	1 x 240 mm ²	2,445	112	27.9	3600
27260	3 x 240 mm ²	9,049	236	59.1	10800
27262	1 x 300 mm ²	2,724	123	30.7	4500

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Low voltage cables

MarineFlex YOZp X-FR 0,6/1 kV



Properties

Application:

Armoured, heavy duty, fire resistant, ultra flexible, low voltage power cables for power and lighting applications in all ship areas.

Characteristics:

- The only flexible fire resistant class 5 conductor cable
- Lightweight
- Halogen free and low smoke, flame retardant in fire conditions
- Fire resistant according IEC 60331 1/2
- Different outer sheaths, other than orange, available on request

Core identification:

- HD308S2

Specifications

Product group	Shipboard low voltage cable
Type	MarineFlex YOZp X-FR 0,6/1 kV
Colour outer sheath	Orange
Standardization	IEC 60092-350/-360/-353
Conductor material	Cu
Shape of conductor	Round
Core insulation	Product dependent
Conductor category	Class 5 = flexible
Core identification	HD 308 S2
Construction outer shield	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Low voltage cables

MarineFlex YOZp X-FR 0,6/1 kV



1

Low voltage cables

40 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
27365	3 x 16 mm ²	1,018	92	22.9	720
27366	4 x 25 mm ²	1,837	118	29.5	1500
27330	1 x 35 mm ²	0,494	56	14.3	525
27331	2 x 35 mm ²	1,547	114	28.4	1050
16462	3 x 35 mm ²	1,952	124	31.1	1575
27332	3 x 35 mm ²	1,860	120	29.9	1575
16463	4 x 35 mm ²	2,433	136	34.1	2100
27333	4 x 35 mm ²	2,324	132	32.9	2100
16464	5 x 35 mm ²	3,405	149	37.3	2625
27334	1 x 50 mm ²	0,643	64	15.9	750
27335	2 x 50 mm ²	1,899	122	30.4	1500
27336	3 x 50 mm ²	2,462	136	34	2250
27337	4 x 50 mm ²	3,416	147	36.7	3000
16465	4 G 50 mm ²	3,204	153	38.3	3000
16466	5 G 50 mm ²	3,828	168	41.9	3750
27338	1 x 70 mm ²	0,861	72	18	1050
27340	3 x 70 mm ²	3,385	155	38.7	3150
16467	4 x 70 mm ²	4,293	172	43.1	4200
27341	4 x 70 mm ²	4,255	171	42.7	4200
16468	5 x 70 mm ²	5,269	190	47.5	5250
27342	1 x 95 mm ²	1,093	79	19.8	1425
27344	3 x 95 mm ²	4,256	172	42.9	4275
16469	4 x 95 mm ²	5,363	189	47.2	5700
27345	4 x 95 mm ²	5,365	189	47.2	5700
16470	5 x 95 mm ²	6,687	211	52.7	7125
27346	1 x 120 mm ²	1,430	91	22.8	1800
27348	3 x 120 mm ²	5,418	197	49.2	5400
27370	3 x 120 mm ²	5,580	198	49.6	5400
16471	4 x 120 mm ²	6,789	216	54.1	7200
27349	4 x 120 mm ²	6,793	216	54.1	7200
27350	1 x 150 mm ²	1,692	96	24	2250
27352	3 x 150 mm ²	6,360	209	52	6750
16472	4 x 150 mm ²	8,034	228	57	9000
27353	4 x 150 mm ²	8,038	228	57	9000
27354	1 x 185 mm ²	1,961	103	25.8	2775
27356	3 x 185 mm ²	7,579	223	55.8	8325
27357	4 x 185 mm ²	9,599	247	61.7	11100
27358	1 x 240 mm ²	2,627	117	29.3	3600
27360	3 x 240 mm ²	10,049	253	63.3	10800
27362	1 x 300 mm ²	2,924	128	32.1	4500

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Medium voltage cables

MarinePower YOZmv 3,6/6 kV



Properties

Application:

Heavy duty, midvoltage (3,6/6 kV), armoured, single core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than red, available on request

Specifications

Type	MarinePower YOZmv 3,6/6 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 2+ = stranded flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semiconductive XLPE, semiconductive tape and braiding
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Max. operation temperature	70 °C
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePower YOZmv 3,6/6 kV



2

8 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33000	1 x 35 mm ²	0,673	0.1552	19.4	1750
33001	1 x 50 mm ²	0,808	0.164	20.5	2500
33002	1 x 70 mm ²	1,087	0.1784	22.3	3500
33003	1 x 95 mm ²	1,303	0.192	24	4750
33004	1 x 120 mm ²	1,585	0.2064	25.8	6000
33005	1 x 150 mm ²	1,879	0.22	27.5	7500
33006	1 x 185 mm ²	2,253	0.2328	29.1	9250
33007	1 x 240 mm ²	2,854	0.2568	32.1	12000

Medium voltage cables

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Medium voltage cables

MarinePower YZOZmv 3,6/6 kV

**Properties****Application:**

Heavy duty, midvoltage (3,6/6 kV), armoured, three core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than red, available on request

Core identification:

- Numbered

Specifications

Type	MarinePower YZOZmv 3,6/6 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 2+ = stranded flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semicon-XLPE, semicon-swellable tape and copper tape
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePower YZOZmv 3,6/6 kV



2

7 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33008	3 x 35 mm ²	2,777	0.3384	42.3	5250
33009	3 x 50 mm ²	3,258	0.3592	44.9	7500
33010	3 x 70 mm ²	4,034	0.3912	48.9	10500
33011	3 x 95 mm ²	5,306	0.4232	52.9	14250
33012	3 x 120 mm ²	6,089	0.4544	56.8	18000
33013	3 x 150 mm ²	7,523	0.4848	60.6	22500
33014	3 x 185 mm ²	8,368	0.5152	64.4	27750

Medium voltage cables

Medium voltage cables

MarinePower YOZmv 6/10 kV



Properties

Application:

Heavy duty, midvoltage (6/10 kV), armoured, single core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than red, available on request

Specifications

Type	MarinePower YOZmv 6/10 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 2+ = stranded flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semiconductive XLPE, semiconductive tape and braiding
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	10 kV
Nominal voltage U _{max}	12 kV
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePower YOZmv 6/10 kV



2

11 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33099	1 x 25 mm ²	0,620	0.163	20.3	1250
33100	1 x 35 mm ²	0,744	0.1696	21.2	1750
33101	1 x 50 mm ²	0,865	0.18	22.5	2500
33102	1 x 70 mm ²	1,096	0.1928	24.1	3500
33103	1 x 95 mm ²	1,379	0.2096	26.2	4750
33104	1 x 120 mm ²	1,653	0.2224	27.8	6000
33105	1 x 150 mm ²	1,934	0.2344	29.3	7500
33106	1 x 185 mm ²	2,326	0.2488	31.1	9250
33107	1 x 240 mm ²	2,917	0.2712	33.9	12000
33114	1 x 300 mm ²	3,472	0.2864	35.8	15000
33118	1 x 630 mm ²	7,138	0.3824	47.8	31500

Medium voltage cables

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Medium voltage cables

MarinePower YZOZmv 6/10 kV

**Properties****Application:**

Heavy duty, midvoltage (6/10 kV), armoured, three core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than red, available on request

Core identification:

- Numbered

Specifications

Type	MarinePower YZOZmv 6/10 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 2+ = stranded flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semicon-XLPE, semicon-swellable tape and copper tape
Earthscreens construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	10 kV
Nominal voltage U _{max}	12 kV
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePower YZOZmv 6/10 kV



2

7 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33117	3 x 25 mm ²	2,695	0.3576	44.7	3750
33108	3 x 35 mm ²	3,104	0.3736	46.7	5250
33109	3 x 50 mm ²	3,568	0.3944	49.3	7500
33110	3 x 70 mm ²	4,616	0.4248	53.1	10500
33111	3 x 95 mm ²	5,658	0.4608	57.6	14250
33112	3 x 120 mm ²	6,690	0.4896	61.2	18000
33113	3 x 150 mm ²	7,613	0.52	65	22500

Medium voltage cables

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Medium voltage cables

MarinePowerFlex YOZmv 6/10 kV



Properties

Application:

Highly Flexible, midvoltage (6/10 kV), armoured, single core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 5 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Easy installation in tight spaces due to flexibility
- Different outer sheaths, other than red, available on request

Specifications

Type	MarinePowerFlex YOZmv 6/10 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 5+ = extra flexible
Conductor shield	Semiconductive Compound with semiconductive tape
Core insulation	XLPE
Insulation shield	Semiconductive Compound with semiconductive tape
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	10 kV
Nominal voltage U _{max}	12 kV
Max. conductor temperature	90 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePowerFlex YOZmv 6/10 kV



2

6 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33119	1 x 35 mm ²	0,754	0.1824	22.8	1750
33121	1 x 70 mm ²	1,132	0.2072	25.9	3500
33122	1 x 95 mm ²	1,385	0.2232	27.9	4750
33123	1 x 120 mm ²	1,657	0.2424	30.3	6000
33124	1 x 150 mm ²	1,986	0.25	31.3	7500
33127	1 x 240 mm ²	2,994	0.462	38.5	12000

Medium voltage cables

Medium voltage cables

MarinePowerFlex YZOZmv 6/10 kV

**Properties****Application:**

Highly Flexible, midvoltage (6/10 kV), armoured, three core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 5 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Easy installation in tight spaces due to flexibility
- Different outer sheaths, other than red, available on request

Core identification:

- Numbered

Specifications

Type	MarinePowerFlex YZOZmv 6/10 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 5+ = extra flexible
Conductor shield	Semiconductive Compound with semiconductive tape
Core insulation	XLPE
Insulation shield	Semicon-XLPE, semicon-swellable tape and copper tape
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	10 kV
Nominal voltage U _{max}	12 kV
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePowerFlex YZOZmv 6/10 kV



2

5 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33128	3 x 16 mm ²	2,236	0.35	43.3	2400
33129	3 x 50 mm ²	3,818	0.4248	53.1	7500
33131	3 x 95 mm ²	5,602	0.4912	61.4	14250
33132	3 x 120 mm ²	6,696	0.5216	65.2	18000
33133	3 x 150 mm ²	7,747	0.56	69.5	22500

Medium voltage cables

Medium voltage cables

MarinePower MultiFlex YQOQmv 6/10 kV

**Properties****Application:**

Highly Flexible, midvoltage (6/10 kV), armoured, three core power cables, where continuous bending is required, e.g. on cable chains in dredgers or in retractable Azipod drives.

Characteristics:

- Class 5 conductor, with special XLPE insulation
- PUR outer sheath has very good resistance to chemicals and UV and is highly abrasion resistant
- Halogen free and low smoke, flame retardant in fire conditions
- Easy installation in tight spaces due to flexibility
- Different outer sheaths, other than red, available on request

Core identification:

- Numbered

Specifications

Type	MarinePower MultiFlex YQOQmv 6/10 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 5+ = extra flexible
Conductor shield	Semiconductive Compound with semiconductive tape
Core insulation	XLPE
Insulation shield	Semiconductive Compound with semiconductive tape
Core shield construction	Copper round wire + copper tape counter spiral
Material inner sheath	PUR (Polyurethane)
Earthscreen construction	Core screen and tinned copper braiding combination
Material outer sheath	PUR (Polyurethane)
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1
Low smoke	IEC 61034-2
Nominal voltage U	10 kV
Nominal voltage U _{max}	12 kV
Max. operation temperature	70 °C
Max. conductor temperature	90 °C

Medium voltage cables

MarinePower MultiFlex YQOQmv 6/10 kV



2

3 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33189	3 x 50 mm ²	5,291	0.345	57.5	7500
33191	3 x 95 mm ²	7,399	0.3924	65.4	14250
33192	3 x 95 mm ²	8,009	0.42	70.0	14250

Medium voltage cables

Medium voltage cables

MarinePower YOZmv 8,7/15 kV



Properties

Application:

Heavy duty, midvoltage (8,7/15 kV), armoured, single core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than red, available on request

Specifications

Type	MarinePower YOZmv 8,7/15 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 2+ = stranded flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semiconductive XLPE, semiconductive tape and braiding
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	15 kV
Max. operation temperature	70 °C
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePower YOZmv 8,7/15 kV



2

8 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33200	1 x 35 mm ²	0,841	0.1888	23.6	1750
33201	1 x 50 mm ²	0,996	0.1992	24.9	2500
33202	1 x 70 mm ²	1,201	0.212	26.5	3500
33203	1 x 95 mm ²	1,237	0.2272	28.4	4750
33205	1 x 150 mm ²	2,096	0.2536	31.7	7500
33206	1 x 185 mm ²	2,523	0.268	33.5	9250
33207	1 x 240 mm ²	3,185	0.292	36.5	12000
33218	1 x 300 mm ²	3,756	0.310	38.7	15000

Medium voltage cables

Medium voltage cables

MarinePower YZOZmv 8,7/15 kV



Properties

Application:

Heavy duty, midvoltage (8,7/15 kV), armoured, three core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than red, available on request

Core identification:

- Numbered

Specifications

Type	MarinePower YZOZmv 8,7/15 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 2+ = stranded flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semicon-XLPE, semicon-swellable tape and copper tape
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	15 kV
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePower YZOZmv 8,7/15 kV



2

6 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33208	3 x 35 mm ²	3,717	0.4168	52.1	5250
33209	3 x 50 mm ²	4,218	0.4384	54.8	7500
33210	3 x 70 mm ²	5,141	0.4688	58.6	10500
33211	3 x 95 mm ²	5,341	0.5032	62.9	14250
33212	3 x 120 mm ²	7,224	0.5336	66.7	18000
33213	3 x 150 mm ²	8,680	0.65	71.8	22500

Medium voltage cables

Medium voltage cables

MarinePowerFlex YOZmv 8,7/15 kV



Properties

Application:

Highly Flexible, midvoltage (8,7/15 kV), armoured, single core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 5 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Easy installation in tight spaces due to flexibility
- Different outer sheaths, other than red, available on request

Specifications

Type	MarinePowerFlex YOZmv 8,7/15 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 5+/R2 extra flexible / resistance = Class 2
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semiconductive XLPE, semiconductive tape and braiding
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	15 kV
Max. operation temperature	70 °C
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePowerFlex YOZmv 8,7/15 kV



2

1 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33230	1 x 35 mm ²	0,594	0.2024	25.3	1750

Medium voltage cables

Medium voltage cables

MarinePower YOZmv 12/20 kV



Properties

Application:

Heavy duty, midvoltage (12/20 kV), armoured, single core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than red, available on request

Specifications

Type	MarinePower YOZmv 12/20 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 2+ = stranded flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semiconductive XLPE, semiconductive tape and braiding
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U ₀	12 kV
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePower YOZmv 12/20 kV



2

9 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33300	1 x 35 mm ²	0,927	0.2064	25.8	1750
33301	1 x 50 mm ²	1,071	0.2152	26.9	2500
33302	1 x 70 mm ²	1,345	0.2296	28.7	3500
33303	1 x 95 mm ²	1,647	0.2448	30.6	4750
33304	1 x 120 mm ²	1,877	0.2576	32.2	6000
33305	1 x 150 mm ²	2,220	0.2712	33.9	7500
33306	1 x 185 mm ²	2,721	0.2888	36.1	9250
33307	1 x 240 mm ²	3,362	0.3096	38.7	12000
33320	1 x 400 mm ²	4,811	0.3576	44.7	20000

Medium voltage cables

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Medium voltage cables

MarinePower YZOZmv 12/20 kV

**Properties****Application:**

Heavy duty, midvoltage (12/20 kV), armoured, three core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than red, available on request

Core identification:

- Numbered

Specifications

Type	MarinePower YZOZmv 12/20 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 2+ = stranded flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semicon-XLPE, semicon-swellable tape and copper tape
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U ₀	12 kV
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePower YZOZmv 12/20 kV



2

5 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33308	3 x 35 mm ²	4,074	0.4536	56.7	5250
33309	3 x 50 mm ²	4,577	0.476	59.5	7500
33310	3 x 70 mm ²	5,682	0.508	63.5	10500
33311	3 x 95 mm ²	6,719	0.5408	67.6	14250
33312	3 x 120 mm ²	7,645	0.5696	71.2	18000

Medium voltage cables

Medium voltage cables

MarinePower YOZmv 18/30 kV

**Properties****Application:**

Heavy duty, midvoltage (18/30 kV), armoured, single core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than red, available on request

Core identification:

- Numbered

Specifications

Type	MarinePower YOZmv 18/30 kV
Product group	Medium-voltage ship-cable
Colour outer sheath	Red
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 2+ = stranded flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semiconductive XLPE, semiconductive tape and braiding
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	30 kV
Max. operation temperature	70 °C
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePower YOZmv 18/30 kV



2

11 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33400	1 x 35 mm ²	1,206	0.2496	31.2	1750
33401	1 x 50 mm ²	1,365	0.2584	32.3	2500
33402	1 x 70 mm ²	1,633	0.2728	34.1	3500
33403	1 x 95 mm ²	2,039	0.2912	36.4	4750
33404	1 x 120 mm ²	2,342	0.3056	38.2	6000
33405	1 x 150 mm ²	2,657	0.3176	39.7	7500
33406	1 x 185 mm ²	3,077	0.332	41.5	9250
33407	1 x 240 mm ²	3,604	0.3528	44.1	12000
33410	1 x 300 mm ²	4,318	0.56	46.3	15000
33412	1 x 400 mm ²	5,235	0.6	49.9	20000
33411	1 x 630 mm ²	8,036	0.69	57.6	31500

Medium voltage cables

Medium voltage cables

MarinePower YZOZmv 18/30 kV



Properties

Application:

Heavy duty, midvoltage (18/30 kV), armoured, three core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 2 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than red, available on request

Core identification:

- Numbered

Specifications

Type	MarinePower YZOZmv 18/30 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 2+ = stranded flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semicon-XLPE, semicon-swellable tape and copper tape
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	30 kV
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePower YZOZmv 18/30 kV



2

2 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33408	3 x 35 mm ²	5,459	0.5528	69.1	5250
33409	3 x 50 mm ²	6,152	0.5752	71.9	7500

Medium voltage cables

Medium voltage cables

MarinePowerFlex YOZmv 18/30 kV



Properties

Application:

Highly Flexible, midvoltage (18/30 kV), armoured, single core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 5 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Easy installation in tight spaces due to flexibility
- Different outer sheaths, other than red, available on request

Specifications

Type	MarinePowerFlex YOZmv 18/30 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 5+ = extra flexible
Conductor shield	Semiconductive Compound with semiconductive tape
Core insulation	XLPE
Insulation shield	Semiconductive Compound with semiconductive tape
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	30 kV
Max. conductor temperature	90 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePowerFlex YOZmv 18/30 kV



2

1 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33423	1 x 95 mm ²	2,007	0.45	37.7	4750

Medium voltage cables

Medium voltage cables

MarinePowerFlex YZOZmv 18/30 kV



Properties

Application:

Highly Flexible, midvoltage (18/30 kV), armoured, three core power cables, designed for medium voltage energy transport for fixed installation in all ship areas. The cable is compliant with the specifications of VFD manufacturers.

Characteristics:

- Class 5 conductor, with special XLPE insulation
- Excellent mechanical and EMC protection due to the tinned copper braid
- Halogen free and low smoke, flame retardant in fire conditions
- Easy installation in tight spaces due to flexibility
- Different outer sheaths, other than red, available on request

Core identification:

- Numbered

Specifications

Type	MarinePowerFlex YZOZmv 18/30 kV
Product group	Medium-voltage ship-cable
Standardization	IEC 60092-354
Conductor material	Cu
Shape of conductor	Round
Conductor category	Class 5 = flexible
Conductor shield	Semiconductive Compound
Core insulation	XLPE
Insulation shield	Semicon-XLPE, semicon-swellable tape and copper tape
Earthscreen construction	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Red
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Nominal voltage U	30 kV
Max. conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Medium voltage cables

MarinePowerFlex YZOZmv 18/30 kV



2

1 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
33431	3 x 95 mm ²	8,562	0.672	84	14250

Medium voltage cables

Communication cables

MarineCom YOZc 250 V



Properties

Application:

Lightweight, armoured, control, instrumentation, tele-and data cable.

Characteristics:

- Twisted pairs, triples or quads
- Perfect electrical properties and low capacitance for minimal signal loss
- Halogen free and low smoke, flame retardant in fire conditions
- Extra mechanical protection and reduced EMI due to the tinned copper braided screen
- Different outer sheaths, other than grey, available on request

Core identification:

• Pairs & Quads: Numbered Blue and White . Triples: Numbered Blue, White and Red

Specifications

Type	MarineCom YOZc 250 V
Product group	Shipboard communication cable
Colour outer sheath	Grey
Standardization	IEC 60092-350/-351/-376
Conductor category	Class 2 =stranded
Core insulation	XLPE
Core identification	Numbers
Construction outer shield	tinned copper braiding
Screen over stranding	Braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Communication cables

MarineCom YOZc 250 V



3

Communication cables

117 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16900	1 x 2 x 0,5 mm ²	0,066	39	6.5	15
16901	1 x 4 x 0,5 mm ²	0,086	45	7.5	30
16902	2 x 2 x 0,5 mm ²	0,098	56	9.4	30
16916	2 x 3 x 0,5 mm ²	0,118	62	10.3	45
16903	4 x 2 x 0,5 mm ²	0,143	65	10.9	60
16917	4 x 3 x 0,5 mm ²	0,177	73	12.1	90
16904	6 x 2 x 0,5 mm ²	0,236	80	13.3	90
16905	7 x 2 x 0,5 mm ²	0,199	76	12.7	105
16918	7 x 3 x 0,5 mm ²	0,317	91	15.2	158
16906	8 x 2 x 0,5 mm ²	0,270	86	14.3	120
16907	10 x 2 x 0,5 mm ²	0,314	94	15.7	150
16919	10 x 3 x 0,5 mm ²	0,411	108	18	225
16908	12 x 2 x 0,5 mm ²	0,351	100	16.6	180
16909	14 x 2 x 0,5 mm ²	0,384	106	17.6	210
16920	14 x 3 x 0,5 mm ²	0,527	119	19.9	315
16910	19 x 2 x 0,5 mm ²	0,502	121	20.1	285
16921	19 x 3 x 0,5 mm ²	0,674	137	22.9	428
16911	24 x 2 x 0,5 mm ²	0,623	136	22.7	360
16922	24 x 3 x 0,5 mm ²	0,829	154	25.6	540
16912	27 x 2 x 0,5 mm ²	0,671	143	23.8	405
16913	30 x 2 x 0,5 mm ²	0,733	149	24.8	450
16914	37 x 2 x 0,5 mm ²	0,858	163	27.2	555
16271	1 x 2 x 0,75 mm ²	0,072	41	6.9	23
16272	1 x 3 x 0,75 mm ²	0,083	44	7.3	34
16954	1 x 4 x 0,75 mm ²	0,094	47	7.8	45
16270	2 x 2 x 0,75 mm ²	0,117	61	9.9	45
16273	2 x 2 x 0,75 mm ² (Quad)	0,094	47	7.8	45
16923	2 x 3 x 0,75 mm ²	0,147	65	10.9	101
16274	4 x 2 x 0,75 mm ²	0,170	73	12.5	90
16924	4 x 3 x 0,75 mm ²	0,258	80	13.3	135
16925	7 x 3 x 0,75 mm ²	0,378	96	16	236
16288	8 x 2 x 0,75 mm ²	0,310	91	15.2	180
16277	10 x 2 x 0,75 mm ²	0,376	104	17.3	225
16926	10 x 3 x 0,75 mm ²	0,527	117	19.5	338
16289	12 x 2 x 0,75 mm ²	0,428	109	18.5	270
16955	12 x 3 x 0,75 mm ²	0,579	131	20.5	473
16278	14 x 2 x 0,75 mm ²	0,480	116	20.2	315
16927	14 x 3 x 0,75 mm ²	0,668	131	21.8	473
16279	19 x 2 x 0,75 mm ²	0,615	135	22.5	428
16928	19 x 3 x 0,75 mm ²	0,867	149	24.9	641
16285	20 x 2 x 0,75 mm ²	0,652	92	23	450
16280	24 x 2 x 0,75 mm ²	0,748	150	25	540
16929	24 x 3 x 0,75 mm ²	1,032	167	27.8	810
16283	27 x 2 x 0,75 mm ²	0,813	157	26.2	608
16281	30 x 2 x 0,75 mm ²	0,884	165	27.5	675
16282	37 x 2 x 0,75 mm ²	1,098	181	30.2	833
16930	1 x 2 x 1,0 mm ²	0,079	45	7.3	30

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Communication cables

MarineCom YOZc 250 V



Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensile load
16945	1 x 3 x 1,0 mm ²	0,092	46	7.6	45
16931	1 x 4 x 1,0 mm ²	0,110	50	8.4	60
16932	2 x 2 x 1,0 mm ²	0,132	64	10.7	60
16962	2 x 2 x 2,5 mm ²	0,233	64	10.7	60
16933	4 x 2 x 1,0 mm ²	0,195	74	12.4	120
16947	4 x 3 x 1,0 mm ²	0,304	86	14.4	180
16934	6 x 2 x 1,0 mm ²	0,321	91	15.1	180
16953	6 x 3 x 1,0 mm ²	0,412	105	17.5	270
16935	7 x 2 x 1,0 mm ²	0,327	93	15.5	210
16948	7 x 3 x 1,0 mm ²	0,430	103	17.1	315
16936	8 x 2 x 1,0 mm ²	0,367	96	16	240
16937	10 x 2 x 1,0 mm ²	0,445	109	18.2	300
16949	10 x 3 x 1,0 mm ²	0,619	128	21.3	450
16938	12 x 2 x 1,0 mm ²	0,504	114	19	360
16939	14 x 2 x 1,0 mm ²	0,594	122	20.4	420
16950	14 x 3 x 1,0 mm ²	0,795	141	23.5	630
16940	19 x 2 x 1,0 mm ²	0,752	142	23.7	570
16951	19 x 3 x 1,0 mm ²	1,020	161	26.9	855
16941	24 x 2 x 1,0 mm ²	0,912	158	26.3	720
16952	24 x 3 x 1,0 mm ²	1,257	179	29.8	1080
16942	27 x 2 x 1,0 mm ²	1,006	166	27.6	810
16943	30 x 2 x 1,0 mm ²	1,100	174	29	900
16944	37 x 2 x 1,0 mm ²	1,301	190	31.7	1110
16946	2 x 3 x 1,0 mm ²	0,165	70	11.6	135
16301	1 x 2 x 1,5 mm ²	0,096	50	8.3	45
16316	1 x 3 x 1,5 mm ²	0,118	53	8.9	68
16302	1 x 4 x 1,5 mm ²	0,148	59	9.9	90
16303	2 x 2 x 1,5 mm ²	0,176	76	12.6	90
16317	2 x 3 x 1,5 mm ²	0,255	83	13.9	135
16304	4 x 2 x 1,5 mm ²	0,305	89	14.9	180
16318	4 x 3 x 1,5 mm ²	0,412	101	16.9	270
16305	6 x 2 x 1,5 mm ²	0,445	107	18.3	270
16306	7 x 2 x 1,5 mm ²	0,457	109	18.5	315
16319	7 x 3 x 1,5 mm ²	0,636	123	20.5	473
16307	8 x 2 x 1,5 mm ²	0,506	115	19.2	360
16308	10 x 2 x 1,5 mm ²	0,628	124	21	450
16320	10 x 3 x 1,5 mm ²	0,846	153	25.5	675
16309	12 x 2 x 1,5 mm ²	0,714	139	23.2	540
16310	14 x 2 x 1,5 mm ²	0,811	148	24.7	630
16321	14 x 3 x 1,5 mm ²	1,117	168	28	945
16311	19 x 2 x 1,5 mm ²	1,067	171	28.5	855
16322	19 x 3 x 1,5 mm ²	1,445	193	32.1	1283
16326	20 x 2 x 1,5 mm ²	1,076	174	29.0	855
16312	24 x 2 x 1,5 mm ²	1,296	190	31.6	1080
16323	24 x 3 x 1,5 mm ²	1,784	215	35.8	1620
16313	27 x 2 x 1,5 mm ²	1,430	199	33.2	1215
16314	30 x 2 x 1,5 mm ²	1,567	209	34.9	1350
16315	37 x 2 x 1,5 mm ²	1,879	230	38.3	1665

Communication cables

MarineCom YOZc 250 V



3

Communication cables

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensile load
16960	1 x 2 x 2,5 mm ²	0,126	56	9.4	75
16975	1 x 3 x 2,5 mm ²	0,155	59	9.9	113
16961	1 x 4 x 2,5 mm ²	0,199	67	11.1	150
16976	2 x 3 x 2,5 mm ²	0,348	96	16	338
16963	4 x 2 x 2,5 mm ²	0,415	103	17.1	300
16977	4 x 3 x 2,5 mm ²	0,536	111	18.5	450
16964	6 x 2 x 2,5 mm ²	0,614	122	20.3	450
16965	7 x 2 x 2,5 mm ²	0,643	122	20.3	525
16978	7 x 3 x 2,5 mm ²	0,864	142	23.6	788
16966	8 x 2 x 2,5 mm ²	0,716	133	22.2	600
16967	10 x 2 x 2,5 mm ²	0,879	152	25.3	750
16979	10 x 3 x 2,5 mm ²	1,221	174	29	1125
16968	12 x 2 x 2,5 mm ²	1,000	158	26.4	900
16969	14 x 2 x 2,5 mm ²	1,135	169	28.1	1050
16980	14 x 3 x 2,5 mm ²	1,585	193	32.1	1575
16970	19 x 2 x 2,5 mm ²	1,482	194	32.4	1425
16981	19 x 3 x 2,5 mm ²	2,074	221	36.8	2138
16971	24 x 2 x 2,5 mm ²	1,835	217	36.2	1800
16982	24 x 3 x 2,5 mm ²	2,573	247	41.1	2700
16972	27 x 2 x 2,5 mm ²	2,028	228	38	2025
16973	30 x 2 x 2,5 mm ²	2,214	240	40	2250
16974	37 x 2 x 2,5 mm ²	2,671	263	43.8	2775

Communication cables

MarineCom YOZc X-FR 250 V

**Properties****Application:**

Lightweight, fire resistant, armoured, control, instrumentation, tele- and data cable.

Characteristics:

- Twisted pairs, triples or quads
- Perfect electrical properties and low capacitance for minimal signal loss
- Fire resistant according to new IEC 60331-1/2 due to (amongst other things) XLHFFR isolation
- Extra mechanical protection and reduced EMI due to the tinned copper braided screen
- Different outer sheaths, other than orange, available on request

Core identification:

- Pairs & Quads: Numbered Blue and White. Triples: Numbered Blue, White and Red

Specifications

Type	MarineCom YOZc X-FR 250 V
Product group	Shipboard communication cable
Colour outer sheath	Orange
Standardization	IEC 60092-350/-351/-376
Conductor category	Class 2 = stranded
Core insulation	Mica + XLHFFR
Core identification	Numbers
Construction outer shield	tinned copper braiding
Screen over stranding	Braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Communication cables

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Communication cables

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Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensileload
26470	1 x 2 x 0.5 mm ²	0,080	62	7.7	15
26485	1 x 3 x 0.5 mm ²	0,091	65	8.1	23
26471	1 x 4 x 0.5 mm ²	0,113	73	9.1	30
26520	2 x 2 x 0.5 mm ²	0,136	90	11.3	30
26486	3 x 3 x 0.5 mm ²	0,166	98	12.3	68
26472	4 x 2 x 0.5 mm ²	0,243	110	13.8	60
26487	4 x 3 x 0.5 mm ²	0,307	122	15.2	90
26473	6 x 2 x 0.5 mm ²	0,343	131	16.4	90
26474	7 x 2 x 0.5 mm ²	0,344	131	16.4	105
26488	7 x 3 x 0.5 mm ²	0,458	150	18.8	158
26475	8 x 2 x 0.5 mm ²	0,388	141	17.6	120
26476	10 x 2 x 0.5 mm ²	0,455	158	19.8	150
26489	10 x 3 x 0.5 mm ²	0,626	182	22.8	225
26477	12 x 2 x 0.5 mm ²	0,525	166	20.8	180
26478	14 x 2 x 0.5 mm ²	0,577	177	22.1	210
26490	14 x 3 x 0.5 mm ²	0,795	202	25.3	315
26479	19 x 2 x 0.5 mm ²	0,744	202	25.3	285
26491	19 x 3 x 0.5 mm ²	1,010	230	28.8	428
26480	24 x 2 x 0.5 mm ²	0,898	224	28	360
26492	24 x 3 x 0.5 mm ²	1,226	256	32	540
26481	27 x 2 x 0.5 mm ²	0,988	237	29.6	405
26482	30 x 2 x 0.5 mm ²	1,082	248	31	450
26483	37 x 2 x 0.5 mm ²	1,284	272	34	555
26500	1 x 2 x 0.75 mm ²	0,087	65	8.1	23
26515	1 x 3 x 0.75 mm ²	0,102	68	8.5	34
26501	1 x 4 x 0.75 mm ²	0,124	75	9.4	45
26502	2 x 2 x 0.75 mm ²	0,154	96	12	45
26516	3 x 3 x 0.75 mm ²	0,232	108	13.5	101
17953	4 x 2 x 0.75 mm ²	0,283	120	15	90
26503	4 x 2 x 0.75 mm ²	0,231	113	14.1	90
26517	4 x 3 x 0.75 mm ²	0,349	128	16	135
26504	6 x 2 x 0.75 mm ²	0,378	138	17.3	135
26505	7 x 2 x 0.75 mm ²	0,385	140	17.5	158
26518	7 x 3 x 0.75 mm ²	0,539	161	20.1	236
26506	8 x 2 x 0.75 mm ²	0,429	148	18.5	180
26507	10 x 2 x 0.75 mm ²	0,543	168	21	225
26519	10 x 3 x 0.75 mm ²	0,729	194	24.2	338
26508	12 x 2 x 0.75 mm ²	0,613	178	22.2	270
26509	14 x 2 x 0.75 mm ²	0,666	187	23.4	315
26521	14 x 3 x 0.75 mm ²	0,937	214	26.8	473
26510	19 x 2 x 0.75 mm ²	0,841	214	26.7	428
26522	19 x 3 x 0.75 mm ²	1,229	246	30.8	641
26524	20 x 2 x 0.75 mm ²	0,901	218	27.3	450
26511	24 x 2 x 0.75 mm ²	1,038	238	29.8	540
26523	24 x 3 x 0.75 mm ²	1,497	274	34.2	810
26512	27 x 2 x 0.75 mm ²	1,191	250	31.3	608
26513	30 x 2 x 0.75 mm ²	1,309	264	33	675

The images of the cables are for illustrative purposes only and may vary depending on the article number.

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Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensile load
26514	37 x 2 x 0.75 mm ²	1,547	288	36	833
26526	1 x 2 x 1 mm ²	0,098	70	8.7	30
26541	1 x 3 x 1 mm ²	0,117	73	9.1	45
26527	1 x 4 x 1 mm ²	0,145	80	10	60
26528	2 x 2 x 1 mm ²	0,173	102	12.8	60
26542	3 x 3 x 1 mm ²	0,268	117	14.6	135
26529	4 x 2 x 1 mm ²	0,298	123	15.4	120
26543	4 x 3 x 1 mm ²	0,404	138	17.2	180
26530	6 x 2 x 1 mm ²	0,435	147	18.4	180
26532	8 x 2 x 1 mm ²	0,484	158	19.8	240
26533	10 x 2 x 1 mm ²	0,624	180	22.5	300
26545	10 x 3 x 1 mm ²	0,849	208	26	450
26534	12 x 2 x 1 mm ²	0,708	190	23.7	360
26535	14 x 2 x 1 mm ²	0,799	202	25.2	420
26546	14 x 3 x 1 mm ²	1,094	230	28.8	630
26536	19 x 2 x 1 mm ²	1,019	231	28.9	570
26547	19 x 3 x 1 mm ²	1,436	266	33.2	855
26537	24 x 2 x 1 mm ²	1,253	258	32.2	720
26548	24 x 3 x 1 mm ²	1,832	298	37.2	1080
26538	27 x 2 x 1 mm ²	1,377	271	33.9	810
26539	30 x 2 x 1 mm ²	1,590	286	35.8	900
26540	37 x 2 x 1 mm ²	1,890	315	39.4	1110
26550	1 x 2 x 1.5 mm ²	0,117	76	9.5	45
26551	1 x 4 x 1.5 mm ²	0,176	87	10.9	90
26552	2 x 2 x 1.5 mm ²	0,251	119	14.9	90
26566	3 x 3 x 1.5 mm ²	0,323	130	16.3	203
26553	4 x 2 x 1.5 mm ²	0,374	139	17.4	180
26567	4 x 3 x 1.5 mm ²	0,528	157	19.6	270
26554	6 x 2 x 1.5 mm ²	0,574	168	21	270
26525	7 x 2 x 1.5 mm ²	0,586	166	20.8	315
26568	7 x 3 x 1.5 mm ²	0,808	195	24.4	473
26555	8 x 2 x 1.5 mm ²	0,663	178	22.3	360
26556	10 x 2 x 1.5 mm ²	0,788	206	25.7	450
26569	10 x 3 x 1.5 mm ²	1,129	238	29.8	675
26557	12 x 2 x 1.5 mm ²	0,918	214	26.8	540
26558	14 x 2 x 1.5 mm ²	1,040	229	28.6	630
26570	14 x 3 x 1.5 mm ²	1,479	266	33.2	945
26559	19 x 2 x 1.5 mm ²	1,352	263	32.9	855
26571	19 x 3 x 1.5 mm ²	2,016	309	38.6	1283
26560	24 x 2 x 1.5 mm ²	1,744	295	36.9	1080
26572	24 x 3 x 1.5 mm ²	2,462	342	42.8	1620
26561	27 x 2 x 1.5 mm ²	1,933	312	39	1215
26562	30 x 2 x 1.5 mm ²	2,112	326	40.8	1350
26563	37 x 2 x 1.5 mm ²	2,545	361	45.1	1665
26575	1 x 2 x 2.5 mm ²	0,149	84	10.5	75
26565	1 x 3 x 2.5 mm ²	0,190	90	11.3	113
26590	1 x 3 x 2.5 mm ²	0,190	90	11.3	113
26576	1 x 4 x 2.5 mm ²	0,232	98	12.2	150

Communication cables

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Communication cables

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensileload
26577	2 x 2 x 2.5 mm ²	0,343	135	16.9	150
26591	3 x 3 x 2.5 mm ²	0,428	146	18.2	338
26592	4 x 3 x 2.5 mm ²	0,684	174	21.7	450
26579	6 x 2 x 2.5 mm ²	0,737	188	23.5	450
26593	7 x 3 x 2.5 mm ²	1,107	220	27.5	788
26581	8 x 2 x 2.5 mm ²	0,893	203	25.4	600
26582	10 x 2 x 2.5 mm ²	1,087	232	29	750
26594	10 x 3 x 2.5 mm ²	1,527	268	33.5	1125
26583	12 x 2 x 2.5 mm ²	1,262	244	30.5	900
26584	14 x 2 x 2.5 mm ²	1,419	261	32.6	1050
26595	14 x 3 x 2.5 mm ²	2,082	301	37.6	1575
26585	19 x 2 x 2.5 mm ²	1,949	303	37.9	1425
26596	19 x 3 x 2.5 mm ²	2,728	346	43.2	2138
26586	24 x 2 x 2.5 mm ²	2,405	338	42.2	1800
26597	24 x 3 x 2.5 mm ²	3,370	385	48.1	2700
26587	27 x 2 x 2.5 mm ²	2,670	357	44.6	2025
26588	30 x 2 x 2.5 mm ²	2,938	374	46.7	2250
26589	37 x 2 x 2.5 mm ²	3,566	414	51.7	2775

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Communication cables

MarineCom YZafc 250 V

**Properties****Application:**

Lightweight, screened, control, instrumentation, tele-and data cable.

Characteristics:

- Twisted pairs, triples or quads
- Perfect electrical properties and low capacitance for minimal signal loss
- Extreme lightweight and small diameter for applications where no mechanical protection is needed
- Different outer sheaths, other than grey, available on request

Core identification:

• Pairs & Quads: Numbered Blue and White. Triples: Numbered Blue, White and Red

Specifications

Type	MarineCom YZafc 250 V
Product group	Shipboard communication cable
Colour outer sheath	Grey
Standardization	IEC 60092-350/-351/-376
Conductor category	Class 2 =stranded
Core insulation	XLPE
Core identification	Numbers
Screen over stranding	Alpettape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Communication cables

MarineCom YZafc 250 V



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Communication cables

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Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensileload
16690	1 x 2 x 0.5 mm ²	0,043	49	6.1	15
16691	1 x 4 x 0.5 mm ²	0,063	57	7.1	30
16692	2 x 2 x 0.5 mm ²	0,075	71	8.9	30
16693	4 x 2 x 0.5 mm ²	0,108	82	10.2	60
16694	6 x 2 x 0.5 mm ²	0,161	98	12.3	90
16695	7 x 2 x 0.5 mm ²	0,162	98	12.3	105
16696	8 x 2 x 0.5 mm ²	0,180	105	13.1	120
16697	10 x 2 x 0.5 mm ²	0,224	120	15	150
16698	12 x 2 x 0.5 mm ²	0,253	126	15.7	180
16699	14 x 2 x 0.5 mm ²	0,293	135	16.9	210
16700	19 x 2 x 0.5 mm ²	0,374	154	19.2	285
16701	24 x 2 x 0.5 mm ²	0,462	171	21.4	360
16702	27 x 2 x 0.5 mm ²	0,519	182	22.7	405
16703	30 x 2 x 0.5 mm ²	0,567	190	23.7	450
16704	37 x 2 x 0.5 mm ²	0,687	209	26.1	555
16708	1 x 2 x 0.75 mm ²	0,050	51	6.4	23
16707	1 x 3 x 0.75 mm ²	0,061	54	6.8	34
16709	1 x 4 x 0.75 mm ²	0,071	58	7.3	45
16710	2 x 2 x 0.75 mm ²	0,086	77	9.6	45
16711	4 x 2 x 0.75 mm ²	0,137	90	11.3	90
16712	6 x 2 x 0.75 mm ²	0,201	107	13.4	135
16713	7 x 2 x 0.75 mm ²	0,202	107	13.4	158
16714	8 x 2 x 0.75 mm ²	0,230	116	14.5	180
16723	8 x 3 x 0.75 mm ²	0,323	96	16.6	236
16715	10 x 2 x 0.75 mm ²	0,286	130	16.3	225
16716	12 x 2 x 0.75 mm ²	0,326	139	17.4	270
16717	14 x 2 x 0.75 mm ²	0,368	147	18.4	315
16718	19 x 2 x 0.75 mm ²	0,483	169	21.1	428
16719	24 x 2 x 0.75 mm ²	0,598	189	23.6	540
16722	27 x 2 x 0.75 mm ²	0,659	200	25	608
16720	30 x 2 x 0.75 mm ²	0,736	209	26.1	675
16721	37 x 2 x 0.75 mm ²	0,889	230	28.8	833
16731	1 x 4 x 1 mm ²	0,088	63	7.9	60
16730	2 x 1 x 1 mm ²	0,057	54	6.8	30
16732	2 x 2 x 1 mm ²	0,102	82	10.2	60
16733	4 x 2 x 1 mm ²	0,160	95	11.9	120
16734	6 x 2 x 1 mm ²	0,235	114	14.2	180
16735	7 x 2 x 1 mm ²	0,242	114	14.2	210
16736	8 x 2 x 1 mm ²	0,277	122	15.3	240
16737	10 x 2 x 1 mm ²	0,343	140	17.5	300
16738	12 x 2 x 1 mm ²	0,393	146	18.3	360
16739	14 x 2 x 1 mm ²	0,447	156	19.5	420
16740	19 x 2 x 1 mm ²	0,589	179	22.4	570
16741	24 x 2 x 1 mm ²	0,742	202	25.2	720
16742	27 x 2 x 1 mm ²	0,821	212	26.5	810
16743	30 x 2 x 1 mm ²	0,898	222	27.7	900
16744	37 x 2 x 1 mm ²	1,093	245	30.6	1110

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Communication cables

MarineCom YZafc 250 V



Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensile load
16830	1 x 2 x 1.5 mm ²	0,073	62	7.8	45
16831	1 x 4 x 1.5 mm ²	0,122	75	9.4	90
16832	2 x 2 x 1.5 mm ²	0,140	97	12.1	90
16833	4 x 2 x 1.5 mm ²	0,219	112	14	180
16834	6 x 2 x 1.5 mm ²	0,335	136	17	270
16835	7 x 2 x 1.5 mm ²	0,347	138	17.2	315
16836	8 x 2 x 1.5 mm ²	0,395	146	18.3	360
16837	10 x 2 x 1.5 mm ²	0,491	168	21	450
16838	12 x 2 x 1.5 mm ²	0,565	175	21.9	540
16839	14 x 2 x 1.5 mm ²	0,656	189	23.6	630
16840	19 x 2 x 1.5 mm ²	0,865	218	27.2	855
16841	24 x 2 x 1.5 mm ²	1,088	244	30.5	1080
16842	27 x 2 x 1.5 mm ²	1,205	257	32.1	1215
16843	30 x 2 x 1.5 mm ²	1,321	269	33.6	1350
16844	37 x 2 x 1.5 mm ²	1,607	296	37	1665
16850	1 x 2 x 2.5 mm ²	0,098	70	8.7	75
16851	1 x 4 x 2.5 mm ²	0,165	83	10.4	150
16852	2 x 2 x 2.5 mm ²	0,188	109	13.6	150
16853	4 x 2 x 2.5 mm ²	0,313	128	16	300
16854	6 x 2 x 2.5 mm ²	0,480	155	19.4	450
16855	7 x 2 x 2.5 mm ²	0,499	155	19.4	525
16856	8 x 2 x 2.5 mm ²	0,571	167	20.9	600
16857	10 x 2 x 2.5 mm ²	0,708	192	24	750
16858	12 x 2 x 2.5 mm ²	0,833	202	25.3	900
16859	14 x 2 x 2.5 mm ²	0,951	216	27	1050
16860	19 x 2 x 2.5 mm ²	1,260	249	31.1	1425
16861	24 x 2 x 2.5 mm ²	1,585	279	34.9	1800
16862	27 x 2 x 2.5 mm ²	1,760	294	36.7	2025
16863	30 x 2 x 2.5 mm ²	1,953	310	38.7	2250
16864	37 x 2 x 2.5 mm ²	2,380	342	42.7	2775

Communication cables

MarineCom YZafc X-FR 250 V

Properties

Application:

Lightweight, fire resistant, screened, control, instrumentation, tele-and data cable.

Characteristics:

- Twisted pairs, triples or quads
- Perfect electrical properties and low capacitance for minimal signal loss
- Fire resistant according to new IEC 60331-1/2 due to (amongst other things) XLHFFR isolation
- Different outer sheaths, other than orange, available on request

Core identification:

• Pairs & Quads: Numbered Blue and White. Triples: Numbered Blue, White and Red



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Communication cables

Specifications

Type	MarineCom YZafc X-FR 250 V
Product group	Shipboard communication cable
Standardization	IEC 60092-350/-351/-376
Conductor category	Class 2 = stranded
Core insulation	Mica + XLHFFR
Core identification	Numbers
Screen over stranding	Alpetape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Communication cables

MarineCom YZafc X-FR 250 V



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Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
26801	2 x 2 x 0.75 mm ²	0,122	46	11.5	45
26803	4 x 2 x 0.75 mm ²	0,185	54	13.4	90
26805	7 x 2 x 0.75 mm ²	0,287	65	16.2	158
26807	10 x 2 x 0.75 mm ²	0,411	80	19.9	225
26809	14 x 2 x 0.75 mm ²	0,546	90	22.5	315
26810	19 x 2 x 0.75 mm ²	0,716	103	25.8	428
26811	24 x 2 x 0.75 mm ²	0,886	115	28.7	540

Communication cables

Marine2Com YOZ2c 250 V



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Properties

Application:

Lightweight, individual and overall pair screened, armoured, control, instrumentation, tele-and data cable.

Characteristics:

- Twisted pairs, triples or quads, individual and overall pair screening
- Perfect electrical properties and low capacitance for minimal signal loss
- Halogen free and low smoke, flame retardant in fire conditions
- Extra mechanical protection and reduced EMI due to the tinned copper braided screen
- Different outer sheaths, other than grey, available on request

Core identification:

- Pairs & Quads: Numbered Blue and White. Triples: Numbered Blue, White and Red



Communication cables

Specifications

Type	Marine2Com YOZ2c 250 V
Product group	Shipboard communication cable
Colour outer sheath	Grey
Standardization	IEC 60092-350/-351/-376
Conductor category	Class 2 = stranded
Core insulation	XLPE
Core identification	Numbers
Construction outer shield	tinned copper braiding
Screen over stranding element	Alpettape
Screen over stranding	Foil + braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Communication cables

Marine2Com YOZ2c 250 V



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Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
17223	2 x 2 x 0.5 mm ²	0,124	80	10	30
17890	2 x 2 x 0.5 mm ²	0,112	78	9.7	30
17280	3 x 3 x 0.5 mm ²	0,152	87	10.9	68
17224	4 x 2 x 0.5 mm ²	0,183	94	11.7	60
17281	4 x 3 x 0.5 mm ²	0,219	101	12.6	90
17225	6 x 2 x 0.5 mm ²	0,316	116	14.5	90
17226	7 x 2 x 0.5 mm ²	0,268	111	13.9	105
17282	7 x 3 x 0.5 mm ²	0,376	130	16.2	158
17227	8 x 2 x 0.5 mm ²	0,347	122	15.3	120
17228	10 x 2 x 0.5 mm ²	0,402	138	17.3	150
17283	10 x 3 x 0.5 mm ²	0,503	158	19.8	225
17229	12 x 2 x 0.5 mm ²	0,459	145	18.1	180
17230	14 x 2 x 0.5 mm ²	0,506	155	19.4	210
17284	14 x 3 x 0.5 mm ²	0,657	174	21.7	315
17231	19 x 2 x 0.5 mm ²	0,671	176	22	285
17285	19 x 3 x 0.5 mm ²	0,821	198	24.7	428
17232	24 x 2 x 0.5 mm ²	0,813	195	24.4	360
17286	24 x 3 x 0.5 mm ²	0,994	219	27.4	540
17233	27 x 2 x 0.5 mm ²	0,909	206	25.8	405
17234	30 x 2 x 0.5 mm ²	0,980	215	26.9	450
17235	37 x 2 x 0.5 mm ²	1,171	236	29.5	555
16329	1 x 2 x 0.75 mm ²	0,080	30	7.2	20
16290	2 x 2 x 0.75 mm ²	0,144	87	10.9	45
16331	3 x 2 x 0.75 mm ²	0,177	94	11.7	68
17290	3 x 3 x 0.75 mm ²	0,171	94	11.7	101
16291	4 x 2 x 0.75 mm ²	0,213	102	12.7	90
17291	4 x 3 x 0.75 mm ²	0,308	115	14.4	135
16332	5 x 2 x 0.75 mm ²	0,287	116	14.4	113
16292	6 x 2 x 0.75 mm ²	0,359	126	15.8	135
16293	7 x 2 x 0.75 mm ²	0,349	126	15.8	158
17292	7 x 3 x 0.75 mm ²	0,432	140	17.5	236
17237	8 x 2 x 0.75 mm ²	0,396	130	16.3	180
16294	10 x 2 x 0.75 mm ²	0,472	152	19	225
17293	10 x 3 x 0.75 mm ²	0,622	170	21.3	338
17238	12 x 2 x 0.75 mm ²	0,524	156	19.5	270
16295	14 x 2 x 0.75 mm ²	0,632	170	21.3	315
17294	14 x 3 x 0.75 mm ²	0,779	188	23.5	473
16296	19 x 2 x 0.75 mm ²	0,780	194	24.2	428
17295	19 x 3 x 0.75 mm ²	1,018	214	26.8	641
16297	24 x 2 x 0.75 mm ²	0,943	215	26.9	540
17296	24 x 3 x 0.75 mm ²	1,254	238	29.7	810
17239	27 x 2 x 0.75 mm ²	1,091	222	27.8	608
16298	30 x 2 x 0.75 mm ²	1,139	238	29.7	675
16299	37 x 2 x 0.75 mm ²	1,367	261	32.6	833
17243	2 x 2 x 1 mm ²	0,165	93	11.6	60
17300	3 x 3 x 1 mm ²	0,194	99	12.4	135
17244	4 x 2 x 1 mm ²	0,289	113	14.1	120

Communication cables

Marine2Com YOZ2c 250 V



3

Communication cables

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensileload
17301	4 x 3 x 1 mm ²	0,353	122	15.3	180
17245	6 x 2 x 1 mm ²	0,411	134	16.8	180
17246	7 x 2 x 1 mm ²	0,412	133	16.6	210
17242	7 x 3 x 1 mm ²	0,516	151	18.9	315
17247	8 x 2 x 1 mm ²	0,446	142	17.8	240
17248	10 x 2 x 1 mm ²	0,558	162	20.2	300
17303	10 x 3 x 1 mm ²	0,735	183	22.9	450
17249	12 x 2 x 1 mm ²	0,641	169	21.1	360
17250	14 x 2 x 1 mm ²	0,727	179	22.4	420
17304	14 x 3 x 1 mm ²	0,934	202	25.2	630
17251	19 x 2 x 1 mm ²	0,926	204	25.5	570
17305	19 x 3 x 1 mm ²	1,208	230	28.7	855
17252	24 x 2 x 1 mm ²	1,140	228	28.5	720
17256	24 x 3 x 1 mm ²	1,479	257	32.1	1080
17253	27 x 2 x 1 mm ²	1,258	239	29.9	810
17254	30 x 2 x 1 mm ²	1,363	250	31.3	900
17255	37 x 2 x 1 mm ²	1,634	275	34.4	1110
16333	2 x 2 x 1.5 mm ²	0,243	111	14.3	90
17310	2 x 3 x 1.5 mm ²	0,293	118	14.8	135
16335	4 x 2 x 1.5 mm ²	0,363	128	16	180
17311	4 x 3 x 1.5 mm ²	0,459	144	18	270
16334	6 x 2 x 1.5 mm ²	0,523	157	19.6	270
16336	7 x 2 x 1.5 mm ²	0,542	158	19.8	315
17312	7 x 3 x 1.5 mm ²	0,727	179	22.4	473
16337	8 x 2 x 1.5 mm ²	0,616	168	21	360
16338	10 x 2 x 1.5 mm ²	0,734	192	24	450
17317	10 x 3 x 1.5 mm ²	0,957	218	27.3	675
16339	12 x 2 x 1.5 mm ²	0,854	200	25	540
16340	14 x 2 x 1.5 mm ²	0,965	214	26.8	630
17314	14 x 3 x 1.5 mm ²	1,291	242	30.2	945
16341	19 x 2 x 1.5 mm ²	1,211	246	30.7	855
17315	19 x 3 x 1.5 mm ²	1,661	276	34.5	1283
16346	20 x 2 x 1.5 mm ²	1,262	250	31.3	900
16342	24 x 2 x 1.5 mm ²	1,548	274	34.2	1080
17316	24 x 3 x 1.5 mm ²	2,076	310	38.7	1620
16343	27 x 2 x 1.5 mm ²	1,690	288	36	1215
16344	30 x 2 x 1.5 mm ²	1,861	302	37.8	1350
16345	37 x 2 x 1.5 mm ²	2,340	336	42	1665
17263	2 x 2 x 2.5 mm ²	0,325	128	16	150
17320	3 x 3 x 2.5 mm ²	0,401	138	17.2	338
17276	4 x 2 x 2.5 mm ²	0,480	149	18.6	300
17321	4 x 3 x 2.5 mm ²	0,625	163	20.4	450
17265	6 x 2 x 2.5 mm ²	0,715	178	22.3	450
17266	7 x 2 x 2.5 mm ²	0,752	178	22.3	525
17322	7 x 3 x 2.5 mm ²	0,987	203	25.4	788
17267	8 x 2 x 2.5 mm ²	0,838	191	23.9	600
17268	10 x 2 x 2.5 mm ²	1,033	218	27.2	750
17323	10 x 3 x 2.5 mm ²	1,366	248	31	1125

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Communication cables

Marine2Com YOZ2c 250 V



Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensileload
17269	12 x 2 x 2.5 mm ²	1,185	230	28.7	900
17270	14 x 2 x 2.5 mm ²	1,344	244	30.5	1050
17324	14 x 3 x 2.5 mm ²	1,789	275	34.4	1575
17271	19 x 2 x 2.5 mm ²	1,732	279	34.9	1425
17325	19 x 3 x 2.5 mm ²	2,348	317	39.6	2138
17272	24 x 2 x 2.5 mm ²	2,181	314	39.2	1800
17326	24 x 3 x 2.5 mm ²	2,916	354	44.2	2700
17273	27 x 2 x 2.5 mm ²	2,404	330	41.2	2025
17274	30 x 2 x 2.5 mm ²	2,619	346	43.2	2250
17275	37 x 2 x 2.5 mm ²	3,185	381	47.6	2775

Communication cables

Marine2Com YOZ2c X-FR 250 V



3

Properties

Application:

Fire resistant, lightweight, individual and overall pair screened, armoured, control, instrumentation, tele-and data cable.

Characteristics:

- Twisted pairs, triples or quads, individual and overall pair screening
- Perfect electrical properties and low capacitance for minimal signal loss
- Fire resistant according to new IEC60331-1/2 due to (amongst other things) XLHFFR isolation
- Extra mechanical protection and reduced EMI due to the tinned copper braided screen
- Different outer sheaths, other than orange, available on request

Core identification:

• Pairs & Quads: Numbered Blue and White. Triples: Numbered Blue, White and Red



Communication cables

Specifications

Type	Marine2Com YOZ2c X-FR 250 V
Product group	Shipboard communication cable
Standardization	IEC 60092-350/-351/-376
Conductor category	Class 2 = stranded
Core insulation	Mica + XLHFFR
Core identification	Numbers
Construction outer shield	tinned copper braiding
Screen over stranding element	Alpett tape
Screen over stranding	Foil + braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Communication cables

Marine2Com YOZ2c X-FR 250 V



112 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
26660	1 x 2 x 0.5 mm ²	0,089	32	7.9	15
26661	1 x 4 x 0.5 mm ²	0,127	74	9.3	30
26662	2 x 2 x 0.5 mm ²	0,167	98	12.3	30
26681	2 x 3 x 0.5 mm ²	0,244	110	13.7	45
26663	4 x 2 x 0.5 mm ²	0,294	120	15	60
26682	4 x 3 x 0.5 mm ²	0,359	130	16.2	90
26664	6 x 2 x 0.5 mm ²	0,411	142	17.8	90
26665	7 x 2 x 0.5 mm ²	0,419	142	17.8	105
26683	7 x 3 x 0.5 mm ²	0,537	160	20	158
26666	8 x 2 x 0.5 mm ²	0,472	151	18.9	120
26667	10 x 2 x 0.5 mm ²	0,570	172	21.5	150
26684	10 x 3 x 0.5 mm ²	0,721	195	24.4	225
26668	12 x 2 x 0.5 mm ²	0,646	181	22.6	180
26669	14 x 2 x 0.5 mm ²	0,714	192	24	210
26685	14 x 3 x 0.5 mm ²	0,922	216	27	315
26670	19 x 2 x 0.5 mm ²	0,922	219	27.4	285
26686	19 x 3 x 0.5 mm ²	1,192	246	30.8	428
26671	24 x 2 x 0.5 mm ²	1,132	245	30.6	360
26687	24 x 3 x 0.5 mm ²	1,465	275	34.4	540
26672	27 x 2 x 0.5 mm ²	1,232	257	32.1	405
26673	30 x 2 x 0.5 mm ²	1,363	269	33.6	450
26674	37 x 2 x 0.5 mm ²	1,691	298	37.3	555
26600	1 x 2 x 0.75 mm ²	0,094	66	8.2	23
26690	1 x 3 x 0.75 mm ²	0,112	71	8.8	33
26601	1 x 4 x 0.75 mm ²	0,131	75	9.4	45
26602	2 x 2 x 0.75 mm ²	0,226	106	13.6	45
17996	2 x 3 x 0.75 mm ²	0,272	117	14.6	68
26691	3 x 3 x 0.75 mm ²	0,228	112	14	101
26603	4 x 2 x 0.75 mm ²	0,317	123	15.4	90
26692	4 x 3 x 0.75 mm ²	0,412	138	17.3	135
26604	6 x 2 x 0.75 mm ²	0,453	150	18.8	135
26605	7 x 2 x 0.75 mm ²	0,464	150	18.8	158
26693	7 x 3 x 0.75 mm ²	0,626	171	21.4	236
26606	8 x 2 x 0.75 mm ²	0,529	161	20.1	180
26607	10 x 2 x 0.75 mm ²	0,636	183	22.9	225
26694	10 x 3 x 0.75 mm ²	0,858	208	26	338
26608	12 x 2 x 0.75 mm ²	0,714	191	23.9	270
26609	14 x 2 x 0.75 mm ²	0,806	206	25.7	315
26695	14 x 3 x 0.75 mm ²	1,088	229	28.6	473
26610	19 x 2 x 0.75 mm ²	1,088	234	29.3	428
26696	19 x 3 x 0.75 mm ²	1,412	262	32.7	641
26611	24 x 2 x 0.75 mm ²	1,275	260	32.5	540
26697	24 x 3 x 0.75 mm ²	1,823	296	37	810
26612	27 x 2 x 0.75 mm ²	1,465	274	34.3	608
26613	30 x 2 x 0.75 mm ²	1,593	287	35.9	675
26614	37 x 2 x 0.75 mm ²	1,910	317	39.6	833
26615	1 x 2 x 1 mm ²	0,105	36	8.9	30

Communication cables

Marine2Com YOZ2c X-FR 250 V



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Communication cables

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensile load
26616	1 x 4 x 1 mm ²	0,145	80	10	60
26617	2 x 2 x 1 mm ²	0,251	115	14.4	60
26701	2 x 3 x 1 mm ²	0,306	124	15.5	90
26618	4 x 2 x 1 mm ²	0,367	134	16.7	120
26702	4 x 3 x 1 mm ²	0,462	147	18.4	180
26619	6 x 2 x 1 mm ²	0,524	160	20	180
26620	7 x 2 x 1 mm ²	0,534	160	20	210
26703	7 x 3 x 1 mm ²	0,707	182	22.8	315
26621	8 x 2 x 1 mm ²	0,606	172	21.5	240
26622	10 x 2 x 1 mm ²	0,733	195	24.4	300
26704	10 x 3 x 1 mm ²	0,970	222	27.8	450
26628	12 x 2 x 1 mm ²	0,798	206	25.7	360
26624	14 x 2 x 1 mm ²	0,944	219	27.4	420
26705	14 x 3 x 1 mm ²	1,251	246	30.8	630
26625	19 x 2 x 1 mm ²	1,206	250	31.3	570
26706	19 x 3 x 1 mm ²	1,696	286	35.7	855
26626	24 x 2 x 1 mm ²	1,486	280	35	720
26707	24 x 3 x 1 mm ²	2,090	318	39.8	1080
26627	27 x 2 x 1 mm ²	1,721	298	37.2	810
26623	30 x 2 x 1 mm ²	1,888	312	39	900
26629	37 x 2 x 1 mm ²	2,258	343	42.9	1110
26630	1 x 2 x 1.5 mm ²	0,127	76	9.5	45
26631	1 x 4 x 1.5 mm ²	0,188	87	10.9	90
26632	2 x 2 x 1.5 mm ²	0,300	130	16.2	90
26711	2 x 3 x 1.5 mm ²	0,376	140	17.5	135
26633	4 x 2 x 1.5 mm ²	0,469	151	18.9	180
26712	4 x 3 x 1.5 mm ²	0,590	166	20.7	270
26634	6 x 2 x 1.5 mm ²	0,661	181	22.6	270
26635	7 x 2 x 1.5 mm ²	0,688	181	22.6	315
26713	7 x 3 x 1.5 mm ²	0,900	206	25.8	473
26636	8 x 2 x 1.5 mm ²	0,766	194	24.2	360
26637	10 x 2 x 1.5 mm ²	0,943	222	27.8	450
26714	10 x 3 x 1.5 mm ²	1,254	254	31.7	675
26638	12 x 2 x 1.5 mm ²	1,064	233	29.1	540
26639	14 x 2 x 1.5 mm ²	1,219	250	31.2	630
26715	14 x 3 x 1.5 mm ²	1,628	281	35.1	945
26640	19 x 2 x 1.5 mm ²	1,656	289	36.1	855
26716	19 x 3 x 1.5 mm ²	2,215	325	40.6	1283
26641	24 x 2 x 1.5 mm ²	2,034	322	40.2	1080
26717	24 x 3 x 1.5 mm ²	2,743	364	45.5	1620
26642	27 x 2 x 1.5 mm ²	2,254	338	42.3	1215
26643	30 x 2 x 1.5 mm ²	2,458	356	44.5	1350
26644	37 x 2 x 1.5 mm ²	2,955	398	49.8	1665
26645	1 x 2 x 2.5 mm ²	0,156	84	10.6	75
26646	1 x 4 x 2.5 mm ²	0,243	98	12.2	150
26647	2 x 2 x 2.5 mm ²	0,393	146	18.2	150
26721	2 x 3 x 2.5 mm ²	0,476	155	19.4	225
26648	4 x 2 x 2.5 mm ²	0,600	170	21.3	300

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Communication cables

Marine2Com YOZ2c X-FR 250 V



Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensile load
26722	4 x 3 x 2.5 mm ²	0,771	186	23.3	450
26649	6 x 2 x 2.5 mm ²	0,857	204	25.5	450
26650	7 x 2 x 2.5 mm ²	0,905	204	25.5	525
26723	7 x 3 x 2.5 mm ²	1,101	234	29.2	788
26651	8 x 2 x 2.5 mm ²	1,025	219	27.4	600
26652	10 x 2 x 2.5 mm ²	1,262	252	31.5	750
26724	10 x 3 x 2.5 mm ²	1,771	290	36.3	1125
26653	12 x 2 x 2.5 mm ²	1,446	263	32.9	900
26654	14 x 2 x 2.5 mm ²	1,728	286	35.7	1050
26725	14 x 3 x 2.5 mm ²	2,293	322	40.2	1575
26655	19 x 2 x 2.5 mm ²	2,235	326	40.8	1425
26726	19 x 3 x 2.5 mm ²	3,004	370	46.2	2138
26656	24 x 2 x 2.5 mm ²	2,768	366	45.7	1800
26727	24 x 3 x 2.5 mm ²	3,734	414	51.7	2700
26657	27 x 2 x 2.5 mm ²	3,060	385	48.1	2025
26658	30 x 2 x 2.5 mm ²	3,381	405	50.6	2250
26659	37 x 2 x 2.5 mm ²	4,059	445	55.6	2775

Communication cables

Marine2Com YZ2afc 250 V



3

Properties

Application:

Lightweight, individual and overall pair screened, control, instrumentation, tele-and data cable.

Characteristics:

- Twisted pairs, triples or quads, individual and overall pair screening
- Perfect electrical properties and low capacitance for minimal signal loss
- Extreme lightweight and small diameter for applications where no mechanical protection is needed
- Different outer sheaths, other than grey, available on request

Core identification:

• Pairs & Quads: Numbered Blue and White. Triples: Numbered Blue, White and Red



Communication cables

Specifications

Type	Marine2Com YZ2afc 250 V
Product group	Shipboard communication cable
Standardization	IEC 60092-350/-351/-376
Conductor category	Class 2 = stranded
Core insulation	XLPE
Core identification	Numbers
Screen over stranding element	Alpettape
Screen over stranding	Alpettape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Communication cables

Marine2Com YZ2afc 250 V



65 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensileload
16750	2 x 2 x 0.5 mm ²	0,091	76	9.5	30
16751	4 x 2 x 0.5 mm ²	0,138	87	10.9	60
16752	6 x 2 x 0.5 mm ²	0,209	106	13.2	90
16753	7 x 2 x 0.5 mm ²	0,214	106	13.2	105
16754	8 x 2 x 0.5 mm ²	0,247	114	14.2	120
16755	10 x 2 x 0.5 mm ²	0,298	129	16.1	150
16756	12 x 2 x 0.5 mm ²	0,351	136	17	180
16757	14 x 2 x 0.5 mm ²	0,398	145	18.1	210
16758	19 x 2 x 0.5 mm ²	0,524	166	20.8	285
16759	24 x 2 x 0.5 mm ²	0,650	186	23.2	360
16760	27 x 2 x 0.5 mm ²	0,719	195	24.4	405
16761	30 x 2 x 0.5 mm ²	0,799	206	25.7	450
16762	37 x 2 x 0.5 mm ²	0,958	225	28.1	555
16770	2 x 2 x 0.75 mm ²	0,105	82	10.3	45
16771	4 x 2 x 0.75 mm ²	0,171	97	12.1	90
16772	6 x 2 x 0.75 mm ²	0,256	117	14.6	135
16773	7 x 2 x 0.75 mm ²	0,261	117	14.6	158
16774	8 x 2 x 0.75 mm ²	0,290	122	15.3	180
16775	10 x 2 x 0.75 mm ²	0,362	142	17.8	225
16776	12 x 2 x 0.75 mm ²	0,413	146	18.3	270
16777	14 x 2 x 0.75 mm ²	0,485	161	20.1	315
16778	19 x 2 x 0.75 mm ²	0,634	184	23	428
16779	24 x 2 x 0.75 mm ²	0,787	206	25.7	540
16782	27 x 2 x 0.75 mm ²	0,894	213	26.6	608
16780	30 x 2 x 0.75 mm ²	0,998	228	28.5	675
16781	37 x 2 x 0.75 mm ²	1,214	251	31.4	833
16790	2 x 2 x 1 mm ²	0,118	86	10.8	60
16791	4 x 2 x 1 mm ²	0,194	102	12.8	120
16792	6 x 2 x 1 mm ²	0,294	123	15.4	180
16793	7 x 2 x 1 mm ²	0,303	123	15.4	210
16794	8 x 2 x 1 mm ²	0,340	131	16.4	240
16795	10 x 2 x 1 mm ²	0,423	150	18.8	300
16796	12 x 2 x 1 mm ²	0,498	159	19.9	360
16797	14 x 2 x 1 mm ²	0,567	170	21.2	420
16798	19 x 2 x 1 mm ²	0,748	194	24.3	570
16799	24 x 2 x 1 mm ²	0,929	217	27.1	720
16800	27 x 2 x 1 mm ²	1,043	230	28.7	810
16801	30 x 2 x 1 mm ²	1,145	241	30.1	900
16802	37 x 2 x 1 mm ²	1,393	266	33.2	1110
16810	2 x 2 x 1.5 mm ²	0,160	103	12.9	90
16811	4 x 2 x 1.5 mm ²	0,262	122	15.2	180
16812	6 x 2 x 1.5 mm ²	0,395	147	18.4	270
16813	7 x 2 x 1.5 mm ²	0,414	147	18.4	315
16814	8 x 2 x 1.5 mm ²	0,470	158	19.8	360
16815	10 x 2 x 1.5 mm ²	0,586	182	22.8	450
16816	12 x 2 x 1.5 mm ²	0,676	190	23.8	540
16817	14 x 2 x 1.5 mm ²	0,772	203	25.4	630

Communication cables

Marine2Com YZ2afc 250 V



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Communication cables

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter	Tensileload
16818	19 x 2 x 1.5 mm ²	1,035	236	29.5	855
16819	24 x 2 x 1.5 mm ²	1,285	262	32.8	1080
16820	27 x 2 x 1.5 mm ²	1,443	278	34.8	1215
16821	30 x 2 x 1.5 mm ²	1,582	291	36.4	1350
16822	37 x 2 x 1.5 mm ²	1,927	322	40.2	1665
16870	2 x 2 x 2.5 mm ²	0,221	118	14.8	150
16871	4 x 2 x 2.5 mm ²	0,361	138	17.2	300
16872	6 x 2 x 2.5 mm ²	0,552	169	21.1	450
16873	7 x 2 x 2.5 mm ²	0,592	169	21.1	525
16874	8 x 2 x 2.5 mm ²	0,665	180	22.5	600
16875	10 x 2 x 2.5 mm ²	0,837	208	26	750
16876	12 x 2 x 2.5 mm ²	0,973	218	27.3	900
16877	14 x 2 x 2.5 mm ²	1,127	234	29.3	1050
16878	19 x 2 x 2.5 mm ²	1,493	270	33.7	1425
16879	24 x 2 x 2.5 mm ²	1,888	302	37.8	1800
16880	27 x 2 x 2.5 mm ²	2,099	318	39.8	2025
16881	30 x 2 x 2.5 mm ²	2,316	336	42	2250
16882	37 x 2 x 2.5 mm ²	2,825	370	46.3	2775

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Signal cables

MarineSignal YZs 250 V



Properties

Application:

Lightweight, unarmoured, reduced diameter cable designed for signal, control & alarm purposes in all ship areas

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than grey, available on request

Core identification:

- Numbered

Specifications

Type	MarineSignal YZs 250 V
Product group	Shipboard low voltage cable
Conductor category	Class 2 =stranded
Standardization	IEC 60092-350/-351/-376
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Core identification	Numbers
Material outer sheath	Flame Retardant Halogen-Free Polyolefin Compound
Colour outer sheath	Grey
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Signal cables

MarineSignal YZs 250 V



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Signal
cables

18 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16210	2 x 0,75 mm ²	0,042	25	6.3	23
16211	3 x 0,75 mm ²	0,053	26	6.6	34
16212	4 x 0,75 mm ²	0,064	28	7.1	45
16213	5 x 0,75 mm ²	0,077	31	7.7	56
16214	7 x 0,75 mm ²	0,099	34	8.6	79
16215	12 x 0,75 mm ²	0,155	45	11.2	135
16216	19 x 0,75 mm ²	0,233	54	13.5	214
16217	27 x 0,75 mm ²	0,321	63	15.8	304
16218	37 x 0,75 mm ²	0,428	73	18.2	416
16220	2 x 1,0 mm ²	0,049	27	6.7	30
16221	3 x 1,0 mm ²	0,061	28	7	45
16222	4 x 1,0 mm ²	0,076	31	7.7	60
16223	5 x 1,0 mm ²	0,093	34	8.5	75
16224	7 x 1,0 mm ²	0,120	37	9.2	105
16225	12 x 1,0 mm ²	0,197	48	12.0	180
16226	19 x 1,0 mm ²	0,293	59	14.8	285
16227	27 x 1,0 mm ²	0,403	69	17.3	405
16228	37 x 1,0 mm ²	0,538	80	20	555

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Signal cables

MarineSignal YOZs 250 V**Properties****Application:**

Lightweight, armoured, reduced diameter cable designed for signal, control & alarm purposes in all ship areas

Characteristics:

- Class 2 conductors
- Lightweight, reduced diameter
- Halogen free and low smoke, flame retardant in fire conditions
- Excellent abrasion resistance
- Different outer sheaths, other than grey, available on request

Core identification:

- Numbered

**Specifications**

Type	MarineSignal YOZs 250 V
Product group	Shipboard low voltage cable
Conductor category	Class 2 = stranded
Standardization	IEC 60092-350/-351/-376
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Core identification	Numbers
Construction outer shield	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Grey
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Nominal voltage U	250 kV
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Signal cables

MarineSignal YOZs 250 V



4

Signal
cables

19 products

Partnumber	Construction	Netweight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16241	2 x 0,75 mm ²	0,072	28	6.9	23
16242	3 x 0,75 mm ²	0,083	29	7.3	34
16243	4 x 0,75 mm ²	0,094	31	7.8	45
16244	5 x 0,75 mm ²	0,112	34	8.6	56
16245	7 x 0,75 mm ²	0,135	37	9.2	79
16246	12 x 0,75 mm ²	0,202	47	11.8	135
16247	19 x 0,75 mm ²	0,329	59	14.8	214
16248	27 x 0,75 mm ²	0,430	68	17.1	304
16249	37 x 0,75 mm ²	0,552	78	19.5	416
16250	2 x 1,0 mm ²	0,079	29	7.3	30
16252	4 x 1,0 mm ²	0,106	33	8.2	60
16253	5 x 1,0 mm ²	0,128	36	9.1	75
16254	7 x 1,0 mm ²	0,155	39	9.8	105
16255	12 x 1,0 mm ²	0,241	50	12.6	180
16256	19 x 1,0 mm ²	0,383	63	15.8	285
16257	27 x 1,0 mm ²	0,517	73	18.2	405
16258	37 x 1,0 mm ²	0,689	83	20.8	555
17185	2 x 1,5 mm ² Klasse 5	0,094	33	8.2	45
17187	3 G 1,5 mm ² Klasse 5	0,113	34	8.6	68

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Signal cables

MarineSignal+ YZs 250 V**Properties****Application:**

Heavy duty, unarmoured cable designed for signal, control & alarm purposes in all ship areas

Characteristics:

- Class 2 conductors
- Extruded inner bedding makes the cable perfectly round
- Halogen free and low smoke, flame retardant in fire conditions
- Perfect abrasion resistance & suitable for heavy duty application
- Different outer sheaths, other than grey, available on request

Core identification:

- Numbered

Specifications

Type	MarineSignal+ YZs 250 V
Product group	Shipboard low voltage cable
Standardization	IEC 60092-350/-351/-376
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 2 = stranded
Core identification	Numbers
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Grey
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Signal cables

MarineSignal+ YZs 250 V



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Signal
cables

8 products

Partnumber	Construction	Net weight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16231	2 x 0,75 mm ²	0,062	27	6.7	23
16232	3 x 0,75 mm ²	0,072	28	7	34
16233	4 x 0,75 mm ²	0,083	30	7.5	45
16234	5 x 0,75 mm ²	0,098	33	8.2	56
16235	2 x 1,0 mm ²	0,076	29	7.3	30
16236	3 x 1,0 mm ²	0,083	30	7.5	45
16237	4 x 1,0 mm ²	0,098	33	8.2	60
16238	5 x 1,0 mm ²	0,119	36	8.9	75

The images of the cables are for illustrative purposes only and may vary depending on the article number.

Signal cables

MarineSignal+ YOZs 250 V**Properties****Application:**

Heavy duty, armoured cable designed for signal, control & alarm purposes in all ship areas

Characteristics:

- Class 2 conductors
- Extruded inner bedding makes the cable perfectly round
- Halogen free and low smoke, flame retardant in fire conditions
- Perfect abrasion resistance & suitable for heavy duty application
- Different outer sheaths, other than grey, available on request

Core identification:

- Numbered

Specifications

Type	MarineSignal+ YOZs 250 V
Product group	Shipboard low voltage cable
Standardization	IEC 60092-350/-351/-376
Conductor material	Cu
Shape of conductor	Round
Core insulation	XLPE
Conductor category	Class 2 =stranded
Core identification	Numbers
Construction outer shield	tinned copper braiding
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Grey
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat.A
Halogen free	IEC 60754-1/2
Nominal voltage U	250 kV
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C

Signal cables

MarineSignal+ YOZs 250 V



4

8 products

Partnumber	Construction	Net weight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16261	2 x 0,75 mm ²	0,103	31	7.8	23
16262	3 x 0,75 mm ²	0,111	32	8.1	34
16263	4 x 0,75 mm ²	0,129	36	8.9	45
16264	5 x 0,75 mm ²	0,147	38	9.4	56
16265	2 x 1,0 mm ²	0,111	32	8.1	30
16266	3 x 1,0 mm ²	0,125	34	8.6	45
16267	4 x 1,0 mm ²	0,145	37	9.2	60
16268	5 x 1,0 mm ²	0,165	40	9.9	75

Signal
cables

The images of the cables are for illustrative purposes only and may vary depending on the article number.

CAT 5 & CAT 7

Cat.5E S/FTP**Properties****Application:**

Twisted pair cable for carrying signals. This type of cable is used in structured cabling for computer networks such as Ethernet

Characteristics:

- Available in stranded (22/7 > Cat 5) conductors
- Halogen free and low smoke, flame retardant in fire conditions
- DNV certified
- Different outer sheaths, other than grey, available on request

Core identification:

- White/Blue, White/Orange, White/Green, White/Brown

Specifications

Type	Cat 5ES/FTP
Product group	Signal-/telecommunications cable
Oil resistant	IEC 60811-2-1 IIR 902/ASTM No.2 (70°C for 4 Hrs)



CAT 5 & CAT 7

Cat.5E S/FTP



5

CAT 5 & CAT
7

3 products

Partnumber	Construction	Netweight (kg/m)	Outer diameter approx.	Colourouter sheath
24025	4 x 2 x 0.60 mm ²	0,071	8.0	Black
24026	4 x 2 x 0.60 mm ²	0,071	8.0	Grey
24027	4 x 2 x 0.60 mm ²	0,071	8.0	Purple/violet

CAT 5 & CAT 7

Cat.7 S/FTP

Properties

Application:

Backbone connections between servers within a data center, to provide a high-speed interconnect used for data transfer within the network.

Characteristics:

- Available in stranded (22/7> Cat 7) and solid (23/1> Cat 7) conductors
- Halogen free and low smoke, flame retardant in fire conditions
- DNV certified
- Different outer sheaths, other than grey, available on request

Core identification:

- White/Blue, White/Orange, White/Green, White/Brown

Specifications

Type	Cat.7 S/FTP
Product group	Signal-/telecommunications cable
Oil resistant	IEC 60811-2-1 IRM 902/ASTM No.2 (70°C for 4 Hrs)



CAT 5 & CAT 7

Cat.7 S/FTP



5

6 products

Partnumber	Construction	Conductor category	Netweight (kg/m)	Outer diameter approx.	Colour outer sheath
24020	4 x 2 x 0.58 mm ²	Class 1= solid	0,078	8.1	Black
24021	4 x 2 x 0.58 mm ²	Class 1= solid	0,078	8.1	Grey
24022	4 x 2 x 0.58 mm ²	Class 1= solid	0,078	8.1	Purple/violet
24015	4 x 2 x 0.67 mm ²	Class 2= stranded	0,080	8.3	Black
24016	4 x 2 x 0.67 mm ²	Class 2= stranded	0,080	8.3	Grey
24017	4 x 2 x 0.67 mm ²	Class 2= stranded	0,080	8.3	Black

CAT 5 & CAT 7



TECHNICAL PRODUCT INFORMATION

Technical product information Cat. 5 and Cat.7

Cat. 5ES/FTP 4x2 AWG 24/7

Transmission Frequency (MHZ)	1	2	10	16	20	30	31,25	62,5	100
Attenuation dB/100m		4,08	6,48	8,26	9,28	11,48	11,73	16,99	21,98
Return Loss dB/100m		32,0	35,0	25,0	25,0	23,8	23,6	21,5	20,1
NEXTdB/100m		56,3	50,3	47,2	45,8	43,1	42,9	38,4	35,3
PSNEXTdB/100m		53,3	47,3	44,2	42,8	40,1	39,9	35,4	32,3
ELFEXT		52,0	44,0	39,9	38,0	34,5	34,1	28,1	24,0
PSELFEXTdB/100m		49,0	41,0	36,9	35,0	31,5	31,1	25,1	21,0
TCL	40	34	30	28	27	25,2	25,1	22	20
ELTCTL	35	23	15	10,9	9,0	5,5			
Coupling Attenuation						40	40	40	40
Delay ns/100m		552	545,4	543,0	542	541	540,4	538,6	537,6
Skewns/100m						45			



TECHNICAL PRODUCT INFORMATION

Cat. 7 S/FTP 4x2 AWG 23/1

Transmission Frequency (MHZ)	1	4	10	16	20	30	31,25
Attenuation dB/100m		3,7	5,9	7,5	8,3	10,2	10,4
Return Loss dB/100m		23	25	25	25	23,8	23,6
NEXTdB/100m		78	78	78	78	78	78
PSNEXTdB/100m		75	75	75	75	75	75
ELFEXT		78	74	69,9	68	64,5	64,1
PSELFEXTdB/100m		75	71	66,9	65	61,5	61,1
TCL	40	34	30	28	27	25,2	25,1
ELTCTL	35	23	15	10,9	9	5,5	
Coupling Attenuation						40	40
Delay ns/100m		552	545,4	543	542	541	540,4
Transmission Frequency (MHZ)	62,5	100	155	200	250	300	600
Attenuation dB/100m	14,9	19,0	24	27,5	31	34,2	50,1
Return Loss dB/100m	21,5	20,1	18,8	18,0	17,3	17,3	17,3
NEXTdB/100m	75,5	72,4	69,5	67,9	66,4	65,2	60,7
PSNEXTdB/100m	72,5	69,4	66,5	64,9	63,4	62,2	57,7
ELFEXT	58,1	54	50,2	48	46	44,5	38,4
PSELFEXTdB/100m	55,1	51	47,2	45	43	41,5	35,4
TCL	22	20	18,1	17	16		
ELTCTL							
Coupling Attenuation	40	40	36,2	34	32	30,5	24,4
Delay ns/100m	538,6	537,6	536,9	536,5	536,3	536,1	535,5
Skew ns/100m				±25			



TECHNICAL PRODUCT INFORMATION

Cat. 7ES/FTP 4x2 AWG 22/7

Transmission Frequency (MHZ)	1	4	10	16	20	30	31,25
Attenuation dB/100m		3,7	5,9	7,5	8,3	10,2	10,4
Return Loss dB/100m		23	25	25	25	23,8	23,6
NEXTdB/100m		78	78	78	78	78	78
PSNEXTdB/100m		75	75	75	75	75	75
ELFEXT		78	74	69,9	68	64,5	64,1
PSELFEXTdB/100m		75	71	66,9	65	61,5	61,1
TCL	40	34	30	28	27	25,2	25,1
ELTCTL	35	23	15	10,9	9	5,5	
Coupling Attenuation						40	40
Delay ns/100m		552	545,4	543	542	541	540,4
Transmission Frequency (MHZ)	62,5	100	155	200	250	300	600
Attenuation dB/100m	14,9	19,0	24	27,5	31	34,2	50,1
Return Loss dB/100m	21,5	20,1	18,8	18,0	17,3	17,3	17,3
NEXTdB/100m	75,5	72,4	69,5	67,9	66,4	65,2	60,7
PSNEXTdB/100m	72,5	69,4	66,5	64,9	63,4	62,2	57,7
ELFEXT	58,1	54	50,2	48	46	44,5	38,4
PSELFEXTdB/100m	55,1	51	47,2	45	43	41,5	35,4
TCL	22	20	18,1	17	16		
ELTCTL							
Coupling Attenuation	40	40	36,2	34	32	30,5	24,4
Delay ns/100m	538,6	537,6	536,9	536,5	536,3	536,1	535,5
Skewns/100m					±25		



TECHNICAL PRODUCT INFORMATION

Materials

TKF uses high-quality insulation materials for all its marine cables, which allows a continuous conductor temperature of 90 °C and withstands a temporary overload temperature of 130 °C and a short-circuit temperature of 250 °C. The materials show very low dielectric losses when used in power cables and excellent transmission properties for the instrumentation and communication cables. It also has extremely low moisture absorption, and a high resistance to most chemicals. The Fire-Resistant cables have conductors fully wrapped in mica-glass tape before being insulated.

Insulation

Cable type	Insulation material
MarineLine, MarineFlex, Marinecom	Cross Linked Polyethylene (XLPE) according to IEC 60092 360, type HF XLPE
FR types	Mica tape + Cross Linked Polyethylene (XLPE) according to IEC 60092 360, type HF XLPE
XFR types	Mica tape + Cross Linked Flame Retardant Polyolefine according to IEC 60092 360, type HF90

Sheathing

Standard, TKF marine cables have a SHF1 type, halogen-free, flame retardant, low-smoke sheath. This sheath has a very good abrasion resistance, good mechanical properties, low moisture absorption and high resistance to most chemicals. The material meets the requirements as specified in IEC 60092-360 under type SHF1 for mechanical properties, as well as the IEC 60811-404 for oil-resistance (ASTM oil 2, 4 hours, 70 °C). The selected sheath material makes TKF marine cables very suitable for installation and usage in areas with low temperatures.

If the cables are exposed to direct sunlight, protective covering or a black outer sheath is recommended. On request, special sheath materials can be applied (e.g. TPU or SHF2) for more extreme conditions.

Armouring and Screening

All TKF's braided cables (designated with the "O" in the type designation) have tinned-copper wire braiding with a coverage of at least 80%. The tinned wires give a high corrosion resistance of the braid and offer both mechanical and EMI protection. Screened cables ("af" type designation) offer only EMI protection with alu- PET tapes in combination with a tinned copper drain wire.



TECHNICAL PRODUCT INFORMATION

International standards

The marine cables in this catalogue are designed and tested in accordance with the following standards, where applicable.

International standards

Standard	Description
IEC 60092 350	General construction and test methods of power, control and instrumentation cables for shipboard and offshore applications
IEC 60092 352	Electrical installations in ships - choice and installation of cables for low voltage power systems
IEC 60092 353	Single and multicore non radial field power cables with extruded solid insulation for rated voltages 1 kV and 3 kV
IEC 60092 354	Single and three core power cables with extruded solid insulation for rated voltages 6 kV (Um = 7.2 kV) up to 30 kV (Um = 36 kV)
IEC 60092 360	Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables
IEC 60092 376	Cables for control and instrumentation circuits 150/250 V
(300 V) IEC 60228	Conductors of insulated cables
IEC 60331 11	Tests for electric cables under fire conditions circuit integrity apparatus fire alone at a flame temperature of at least 750 °C
IEC 60331 21	Tests for electric cables under fire conditions circuit integrity procedures and requirements cables of rated voltage up to and including 0,6/1,0 kV
IEC 60331 1	Tests for electric cables under fire conditions circuit integrity Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 25 mm
IEC 60331 2	Tests for electric cables under fire conditions circuit integrity Part 2: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 25 mm
IEC 60332 1	Tests on electric cables under fire conditions Part 1: test on a single vertical insulated wire or cable
IEC 60332 3 22 A	Tests on electric cables under fire conditions Part 3 22: test for vertical flame spread of vertically mounted bunched wires or cables category A
IEC 60754 1	Test on gases evolved during combustion of electric cables determination of the amount of halogen acid gas
IEC 60754 2	Test on gases evolved during combustion of materials from cables Part 2: Determination of acidity (by pH measurement) and
IEC 60811	Common test methods for insulating and sheathing materials of electric cables
IEC 61034 conditions	Measurement of smoke density of electric cables burning under defined conditions



TECHNICAL PRODUCT INFORMATION

Installation instructions

Bending radius - Bending Radii according to IEC 60092-352

Voltage Rating	Cable Construction	Outer Diameter	Bending Radius	Cable Types
Up to 1.8/ 3kV	Unarmoured	<25 mm	R = 4 x D	YZp, YZs
	Unarmoured	>25 mm	R = 6 x D	YZp, YZs
	Armoured/Screened	any	R = 6 x D	YOZp, YOZs, YOZc
	Foil screened	any	R = 8 x D	YOZ2c, YZafp, Yzafc
3.6/6kV	Single Core	any	R = 12 x D	YOZmv
	Triple Core	any	R = 9 x D	YOZmv

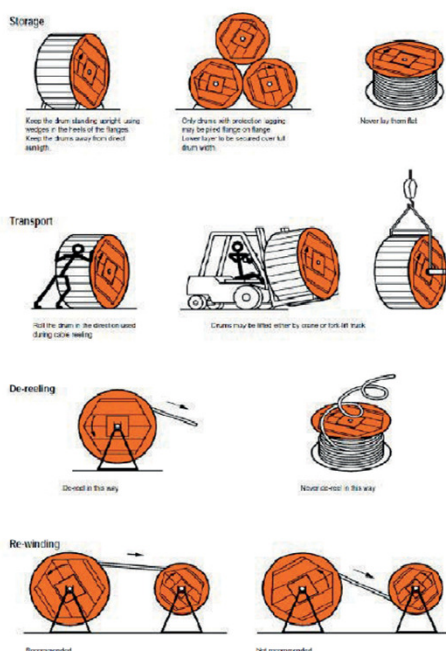
Pulling Force

The cable pulling tension during installation can be estimated by means of the following formula:

$$\text{Max. Pulling Force (N)} = 15 \times \text{total cross section}$$

Pulling instructions

It is recommended to use a sleeve on the cable head when pulling the cable into cable trays to evenly distribute the pulling stress over the whole conductor area of the cable. When using lubricants to lower the friction in cable pulling a lubricant, suitable for Halogen Free cables, should be used. When installing cables in below zero temperatures, installation of the cable is greatly eased when the cable has been stored in a location with a temperature of +15 degrees for at least 24 hours. When pulling cable in winter conditions and the reels have been stored outside, please check the reels for ice buildup and layers of cable frozen together, which could cause damage to the cable when unwinding the reels.



Installation temperature

Minimum recommended installation temperature for cables of rated voltage up to 20 kV, = -20°C.



TECHNICAL PRODUCT INFORMATION

Current Rating for general installations

The current ratings are applicable for d.c. and a.c. with a nominal frequency of 50 Hz or 60 Hz and an ambient air temperature of 45° C. For higher frequencies, the current rating shall be calculated with an appropriate method (e.g. IEC 60287). For other ambient air temperatures the correction factors have to be applied. These ratings are applicable, without correction factors, for cables bunched together on cable trays, in cable conduits, pipes or trunking, unless more than six cables operate simultaneously at their full rated capacity are laid close together without free air circulating around them. In this case a correction factor of 0.85 should be applied. The tables are for general reference purposes only, and do not describe all installation methods existing in practice. For more detailed information see IEC 60092-352(2005) Annex A & B. For specific situations not covered by these standards, exact current calculations can be made by our engineering department.

Correction factors for ambient air temperatures for maximum conductor temperature of 90° C

Air temperature	Correction factor
35° C	
40° C	
45° C	1.0
50° C	
55° C	0.9
60° C	
8	0.8

Air temperature	Correction factor
65°	0.74
70°	0.67
75°	0.58
80°	0.47
85°	
90°	
C	

Current Rating(A)

Cross Section (mm2)	Number of cores loaded		
	1	2	3 & 4
1.5	23	20	16
2.5	40	26	21
4	51	34	28
6	52	44	36
10	72	61	50
16	96	82	67
25	127	108	89
35	157	133	110
50	196	167	137

CrossSection (mm2)	Number of cores loaded		
	1	2	3 & 4
95	293	249	205
120	339	288	237
150	389	331	272
185	444	377	311
240	522	444	365
300	601	511	421
	d.c. a.c.	d.c. a.c.	d.c. a.c.
400	690670	587570	483469
500	780720	663612	546504

70	242	206	169
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548			
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Current carrying capacities in continuous service at maximum rated conductor temperature of 90°C in A, at 45° C ambient air temperature, based on IEC 60092-352 Annex A Table B-4

For cables with >4 conductors the current rating can be calculated with the following formula:

$$I = \frac{I_1}{\sqrt[n]{n}}$$

Where I_1 = current rating for single core, n = number of cores.



TECHNICAL PRODUCT INFORMATION

# of cores	Ampacity (A)		
	1,5mm ²	2,5mm ²	4mm ²
5	13	23	30
6	13	22	28
7	12	21	27
8	12	20	26
10	11	19	24
12	10	17	22

# of cores	Ampacity (A)		
	1,5mm ²	2,5mm ²	4mm ²
19	9	15	19
24	8	14	18
27	8	13	17
30	7	13	16
34	7	12	16
37	7	12	15

Short Circuit Current

The maximum permissible short circuit current for different cables is based on the formula:

$$I_k = 143 \cdot \frac{S}{\sqrt{t}}$$

I_k = the maximum permissible short-circuit current in Ampere

S = the cross section area of the conductor in mm²

t = the duration of the short-circuit in seconds

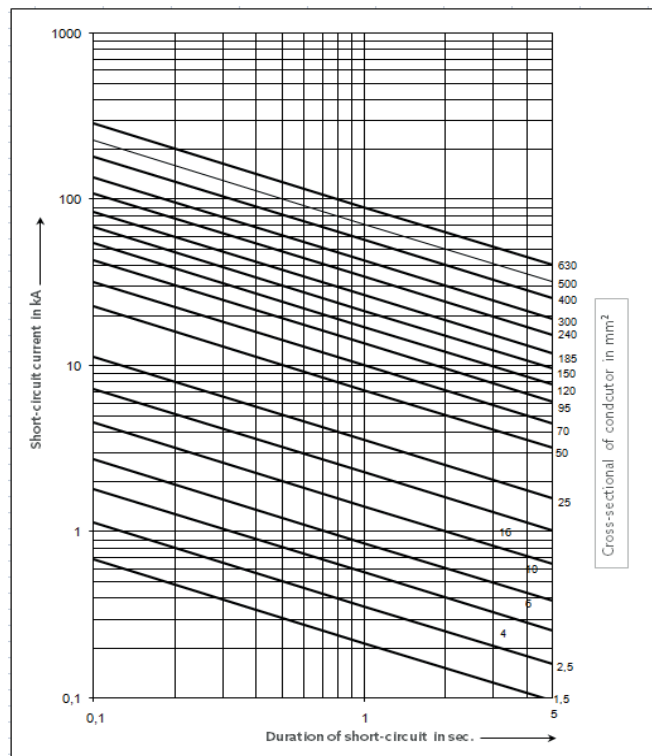
The formula is acceptable for an increase in temperature from 90°C at the start to 250°C at the end. Further information is given in IEC 60724 and IEC 60986. In the figure the permissible short-circuit current is given in kA as a function of time (from 0.1 to 5 seconds) and as a function of the cross sectional area of the conductor

Max Short Circuit Current in kA Circuit	Duration Short	
	0,1 Second	1 Second
Cross Section (mm ²)		
1	0,452	0,143
1,5	0,679	0,215
2,5	1,131	0,358
4	1,810	0,572
6	2,715	0,859
10	4,525	1,431
16	7,240	2,289
25	11,312	3,577
35	15,836	5,008
50	22,623	7,154
70	31,673	10,016
95	42,985	13,593
120	54,296	17,170
150	67,870	21,463
185	83,707	26,470
240	108,593	34,340
300	135,741	42,925
400	180,988	57,233
500	226,235	71,542



TECHNICAL PRODUCT INFORMATION

Duration of short-circuit current



Reactance Calculations

The reactance of cables can be calculated with the following formula:

$$X = 2 \cdot \pi \cdot f \cdot L$$

f = frequency in Hz

L = inductance in H



TECHNICAL PRODUCT INFORMATION

Sheath Colours & Core Identification

Overview types, standards, core identification and sheath colour

Application	Type	Standard identification	Core	Sheath
Low voltage	MarineLine (+) Y(O)Z(a)lp 0,6/1 kV	IEC 60092-350/353 HD308 S2-2001		Black
	MarineFlex Y(O)Zp & YQOp 0,6/1 kV	IEC 60092-350/353 HD308 S2-2001		Black
	MarineFlex YOZp 1,8/3 kV	IEC 60092-350/353 HD308 S2-2001		Black
	MarineLine (+) Y(O)Zp FR 0,6/1 kV	IEC 60331-11/21 HD308 S2-2001		Orange
	MarineLine (+) Y(O)Zp X-FR 0,6/1 kV	IEC 60331-1/2 HD308 S2-2001		Orange
Medium voltage	MarinePower Y(Z)OZmv 3,6-30 kV	IEC 60092-350/354 Coloured tape + numbers		Red
	MarinePower Multiflex YQOQmv 6/10kV	IEC 60092-350/354 Coloured tape + numbers		Red
Communication	Marine(2)Com Y(O)Z(a)j(2)c 250V	IEC 60092-350/376 Blue/White cores + numbers		Grey
	Marine(2)Com Y(O)Z(a)j(2)c X-FR 250V	IEC 60331-1/2 Blue/White cores + numbers		Orange
Different sheath colc	MarineSignal (+) Y(O)Zs 250V	IEC 60092-350/-35 Black cores + numbers		Grey

Core identification

Low voltage power cables 0,6/1 kV -1,8/3kV - According to HD308 S2-2001

Cond.	Without Yellow/Green Conductor					With Yellow/Green Conductor (G)				
	N	L1/L2	L/L2	L3	L3	PE	N	L1/L2	L/L2	L3
1										
2										
3										
4										
5										
>5			Nr.						Nr.	

- Notes
- 1) PE = protective conductor - beschermingsleiding - Schutzleiter - conducteur de protection
N = neutral conductor - nulleiding - Neutraleiter - conducteur neutre
L, L1, L2, L3 = phase conductors - faseleidingen - Phasenleiter - conducteurs de phase
 - 2) =black numbered - zwart genummerd - schwarz nummeriert - noir numéroté

Communication Cables 250 V

Pairs (n x 2 x y mm ²)	
	
1	2
3...etc.	4...etc.

Triples (n x 3 x y mm ²)		
		
1	2	3
4...etc.	5...etc.	6...etc.

Signal Cables 250 V

Multicores	
	
1	
2...etc.	

Medium Voltage cables 3,6-30kV

Triple Cores (YZOZmv, YQOQmv)		
		
Spiral wound red tape with number	Spiral wound white tape with number	Spiral wound blue tape with number



CABLE DRUM SIZES AND WEIGHTS

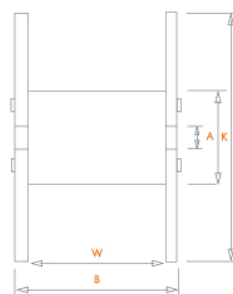
A wide range of drums with various sizes and weights is used to store and transport our cables. The most common types of drums and their sizes and weights are shown in this table.

Flang diameter (F) mm	Core diameter (K) mm	Central hole diameter (A) mm	Largest width (B) mm	Winding width (W) mm	Empty weight Kg	Volume m ³
*600	250	80	468	400	7,5	0,17
*800	400	100	480	400	14	0,31
800	500	100	500	485	43	0,31
*1000	500	100	605	485	28	0,31
1000	500	100	609	485	74	0,61
1200	600	100	724	600	108	1,04
1500	800	100	946	750	160	2,13
1600	800	100	1030	834	240	2,64
1800	900	100	1030	834	400	3,34
2100	900	100	1148	950	450	5,06
2250	1400	100	1122	830	600	5,68
2500	1450	100	1220	930	700	7,63
2500	1450	100	1458	1150	800	9,11
2650	1450	100	1488	1175	850	10,45
2800	1700	100	1520	1157	1050	11,92
3000	1600	100	1600	1235	1150	14,40

*Plastic drum

Empty drum return

To get your empty drums in the Netherlands collected quickly, please send your request to our shipping department via the website (www.tkf.eu) or by e-mail to haspels@tkf.nl. If drums have to be collected outside the Netherlands, please contact our sales staff.



F = Diameter flange
K = Diameter core
A = Diameter axle-hole
B = Largest width
W = Winding width



TKH GROUP member of the TKH Group <



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