

# Low voltage power cables

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

Lightweight, reduced diameter low voltage power cables for power and lighting applications in all ship areas. High abrasion resistant sheath and easily strippable with ripcord. Halogen-free and low-smoke, flame-retardant in fire conditions. Different sheath colours available on request.

Characteristics	Properties	Unit
Product group	Ship low voltage power cables	
Series	Scheepskabel	
Type	MarineLine YOZp X-FR 0,6/1 kV	
Standardization	IEC 60092-350/-351/-353	
Conductor material	Cu	
Shape of conductor	Article dependant, see detail sheet	
Core insulation	Mica + XLHFFR	
Conductor category	Class 2 = stranded	
Core identification	HD 308 S2	
Construction outer shield	Article dependant, see detail sheet	
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound	
Colour outer sheath	Article dependant, see detail sheet	
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A	
Halogen free	IEC 60754-1/2	
Insulation integrity in accordance with IEC 60331	Yes	
Nominal voltage U0	0.6	kV
Nominal voltage U	1	kV
Maximum conductor temperature	90	°C
min/max installation temperature	-20 / 70	°C
min/max operating temperature	-40 / 70	°C

Partnumber	Construction G=Y/G	Shape of conductor	Colour outer sheath	Net weight (kg/km)	Bending radius after installation	Outer diameter approx. (mm)	Tensile load (N)
27180	3 G 1,5 mm <sup>2</sup>	Round	Orange	167	45	11,2	68
27181	4 G 1,5 mm <sup>2</sup>	Round	Orange	210	50	12,4	90
27182	5 G 1,5 mm <sup>2</sup>	Round	Orange	251	54	13,5	113
27183	7 G 1,5 mm <sup>2</sup>	Round	Orange	357	59	14,8	158
27100	1 x 1,5 mm <sup>2</sup>	Round	Orange	79	26	6,5	23
27101	2 x 1,5 mm <sup>2</sup>	Round	Orange	136	42	10,6	45
27102	3 x 1,5 mm <sup>2</sup>	Round	Orange	168	45	11,2	68
27103	4 x 1,5 mm <sup>2</sup>	Round	Orange	210	50	12,4	90
27104	5 x 1,5 mm <sup>2</sup>	Round	Orange	251	54	13,5	113
27105	6 x 1,5 mm <sup>2</sup>	Round	Orange	340	59	14,8	135
27106	7 x 1,5 mm <sup>2</sup>	Round	Orange	353	59	14,8	158
27107	8 x 1,5 mm <sup>2</sup>	Round	Orange	431	68	16,9	180
27108	10 x 1,5 mm <sup>2</sup>	Round	Orange	504	78	19,4	225
27109	12 x 1,5 mm <sup>2</sup>	Round	Orange	564	80	20	270
55555	12 x 1,5 mm <sup>2</sup>	Round	Black	573	80	20	270
27110	16 x 1,5 mm <sup>2</sup>	Round	Orange	727	90	22,6	360
27111	19 x 1,5 mm <sup>2</sup>	Round	Orange	812	97	24,3	428

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27112	24 x 1,5 mm <sup>2</sup>	Round	Orange	1000	108	26,8	540
27113	27 x 1,5 mm <sup>2</sup>	Round	Orange	1111	114	28,5	608
27114	30 x 1,5 mm <sup>2</sup>	Round	Orange	1134	118	29,4	675
27115	37 x 1,5 mm <sup>2</sup>	Round	Orange	1458	131	32,7	833
27184	3 G 2,5 mm <sup>2</sup>	Round	Orange	215	50	12,4	113
27185	4 G 2,5 mm <sup>2</sup>	Round	Orange	306	55	13,7	150
27186	5 G 2,5 mm <sup>2</sup>	Round	Orange	366	60	15,8	188
27187	7 G 2,5 mm <sup>2</sup>	Round	Orange	453	67	16,8	263
27116	1 x 2,5 mm <sup>2</sup>	Round	Orange	92	28	7	38
27117	2 x 2,5 mm <sup>2</sup>	Round	Orange	172	47	11,8	75
27118	3 x 2,5 mm <sup>2</sup>	Round	Orange	216	50	12,4	113
27119	4 x 2,5 mm <sup>2</sup>	Round	Orange	308	55	13,7	150
27120	5 x 2,5 mm <sup>2</sup>	Round	Orange	365	60	15	188
17825	7 x 2,5 mm <sup>2</sup>	Round	Orange	456	67	16,8	263
27196	19 x 2,5 mm <sup>2</sup>	Round	Orange	1095	110	27,4	713
27398	21 x 2,5 mm <sup>2</sup>	Round	Orange	1178	110	28,5	713
27188	3 G 4 mm <sup>2</sup>	Round	Orange	278	54	13,5	180
27189	4 G 4 mm <sup>2</sup>	Round	Orange	401	62	15,5	240
27123	1 x 4 mm <sup>2</sup>	Round	Orange	111	30	7,5	60
27124	2 x 4 mm <sup>2</sup>	Round	Orange	216	51	12,8	120
27125	3 x 4 mm <sup>2</sup>	Round	Orange	317	55	13,7	180
27126	4 x 4 mm <sup>2</sup>	Round	Orange	402	62	15,5	240
27190	3 G 6 mm <sup>2</sup>	Round	Orange	401	62	15,5	270
27191	4 G 6 mm <sup>2</sup>	Round	Orange	494	68	16,9	360
16457	5 G 6 mm <sup>2</sup>	Round	Orange	604	75	18,7	450
27127	1 x 6 mm <sup>2</sup>	Round	Orange	133	32	8,1	90
27128	2 x 6 mm <sup>2</sup>	Round	Orange	316	58	14,5	180
27129	3 x 6 mm <sup>2</sup>	Round	Orange	403	62	15,5	270
27130	4 x 6 mm <sup>2</sup>	Round	Orange	494	68	16,9	360
27192	3 G 10 mm <sup>2</sup>	Round	Orange	544	68	17,1	450
27193	4 G 10 mm <sup>2</sup>	Round	Orange	687	76	18,9	600
16458	5 G 10 mm <sup>2</sup>	Round	Orange	860	83	20,8	750
27131	1 x 10 mm <sup>2</sup>	Round	Orange	178	36	9	150
27132	2 x 10 mm <sup>2</sup>	Round	Orange	418	65	16,2	300
27133	3 x 10 mm <sup>2</sup>	Round	Orange	545	68	17,1	450
27134	4 x 10 mm <sup>2</sup>	Round	Orange	698	76	18,9	600
27194	3 G 16 mm <sup>2</sup>	Round	Orange	763	79	19,7	720
27195	4 G 16 mm <sup>2</sup>	Round	Orange	976	87	21,8	960
16459	5 G 16 mm <sup>2</sup>	Round	Orange	1208	96	24,1	1200
27135	1 x 16 mm <sup>2</sup>	Round	Orange	249	40	10	240
27136	2 x 16 mm <sup>2</sup>	Round	Orange	575	75	18,7	480
27137	3 x 16 mm <sup>2</sup>	Round	Orange	764	79	19,7	720
27138	4 x 16 mm <sup>2</sup>	Round	Orange	977	87	21,8	960
16460	4 G 25 mm <sup>2</sup>	Round	Orange	1450	105	26,2	1500
16461	5 G 25 mm <sup>2</sup>	Round	Orange	1805	117	29,2	1875
27139	1 x 25 mm <sup>2</sup>	Round	Orange	372	48	12,1	375
27140	2 x 25 mm <sup>2</sup>	Round	Orange	848	90	22,4	750

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27141	3 x 25 mm <sup>2</sup>	Round	Orange	1122	95	23,7	1125
27142	4 x 25 mm <sup>2</sup>	Round	Orange	1446	105	26,2	1500
27143	1 x 35 mm <sup>2</sup>	Round	Orange	469	52	13,1	525
27144	2 x 35 mm <sup>2</sup>	Round	Orange	1055	98	24,4	1050
27145	3 x 35 mm <sup>2</sup>	Sector-shaped	Orange	1441	93	23,2	1575
27146	4 x 35 mm <sup>2</sup>	Sector-shaped	Orange	1902	106	26,6	2100
27147	1 x 50 mm <sup>2</sup>	Round	Orange	657	63	15,7	750
27148	2 x 50 mm <sup>2</sup>	Round	Orange	1368	115	28,8	1500
27149	3 x 50 mm <sup>2</sup>	Sector-shaped	Orange	1868	104	25,9	2250
27150	4 x 50 mm <sup>2</sup>	Sector-shaped	Orange	2415	119	29,7	3000
27151	1 x 70 mm <sup>2</sup>	Round	Orange	882	70	17,4	1050
27153	3 x 70 mm <sup>2</sup>	Sector-shaped	Orange	2586	119	29,7	3150
27154	4 x 70 mm <sup>2</sup>	Sector-shaped	Orange	3329	136	34	4200
27155	1 x 95 mm <sup>2</sup>	Round	Orange	1169	79	19,7	1425
27157	3 x 95 mm <sup>2</sup>	Sector-shaped	Orange	3446	131	32,8	4275
27158	4 x 95 mm <sup>2</sup>	Sector-shaped	Orange	4536	155	38,7	5700
27159	1 x 120 mm <sup>2</sup>	Round	Orange	1454	86	21,5	1800
27161	3 x 120 mm <sup>2</sup>	Sector-shaped	Orange	4248	147	36,8	5400
27162	4 x 120 mm <sup>2</sup>	Sector-shaped	Orange	5625	171	42,8	7200
27163	1 x 150 mm <sup>2</sup>	Round	Orange	1732	94	23,4	2250
27165	3 x 150 mm <sup>2</sup>	Sector-shaped	Orange	5253	160	40,1	6750
27166	4 x 150 mm <sup>2</sup>	Sector-shaped	Orange	6868	188	47,1	9000
27167	1 x 185 mm <sup>2</sup>	Round	Orange	2127	104	26,1	2775
27169	3 x 185 mm <sup>2</sup>	Sector-shaped	Orange	6447	178	44,6	8325
27170	4 x 185 mm <sup>2</sup>	Sector-shaped	Orange	8476	204	50,9	11100
27171	1 x 240 mm <sup>2</sup>	Round	Orange	2705	115	28,7	3600
27175	1 x 300 mm <sup>2</sup>	Round	Orange	3267	130	32,4	4500