

## Low voltage cables

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

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Low voltage cables

### 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:

- HD308 S2



### 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

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## 95 products

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