

Marine & Offshore

MarineLine YOZp 0,6/1 kV

Armoured, lightweight, reduced diameter low voltage cables for power and lighting applications in all ship areas where extra mechanical and EMC protection is needed.

The tinned copper braid is highly corrosion resistant which ensures a long cable lifetime.

Halogen-free and low-smoke , flame-retardant in fire conditions.

Characteristics	Properties	Unit
Product group	Low voltage marine cables	
Series	Marine Cable	
Type	MarineLine YOZp 0,6/1 kV	
Standardization	IEC 60092-350/-351/-353	
Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A	
Conductor material	Cu	
Standardization conductor material	IEC 60228	
Conductor category	Class 2	
Shape of conductor	Article dependant, see detail sheet	
Core insulation	XLPE	
Core identification	HD 308 S2	
Binder/filler	Polyester tape	
Construction outer shield	Tinned copper braiding	
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound	
Colour outer sheath	Black	
Nominal voltage U0	0.6	kV
Nominal voltage U	1	kV
Test voltage	3500	V
Maximum conductor temperature	90	°C
Installation temperature	-20 / 70	°C
Operating temperature	-40 / 70	°C
Specification	See appendix	



Partnumber	Construction	Shape of conductor	Colour outer sheath	Net weight (kg/km)	Bending radius after installation (mm)	Outer diameter approx. (mm)	Tensile load (N)
15984	3 G 1,5 mm ²	round	black	131	38	9,4	68
15985	4 G 1,5 mm ²	round	black	159	41	10,2	90
15986	5 G 1,5 mm ²	round	black	192	45	11,2	113
16110	1 x 1,5 mm ²	round	black	60	23	5,8	23
16111	2 x 1,5 mm ²	round	black	110	36	9	45
16112	3 x 1,5 mm ²	round	black	131	38	9,4	68
16113	4 x 1,5 mm ²	round	black	159	41	10,2	90
16114	5 x 1,5 mm ²	round	black	192	45	11,2	113
16115	6 x 1,5 mm ²	round	black	222	48	12,1	135
16116	7 x 1,5 mm ²	round	black	233	49	12,2	158
16117	8 x 1,5 mm ²	round	black	315	56	13,9	180
16118	10 x 1,5 mm ²	round	black	402	63	15,7	225
16119	12 x 1,5 mm ²	round	black	398	64	16,1	270
16120	16 x 1,5 mm ²	round	black	506	73	18,2	360
16121	19 x 1,5 mm ²	round	black	584	76	19	428



Partnumber	Construction	Shape of conductor	Colour outer sheath	Net weight (kg/km)	Bending radius after installation (mm)	Outer diameter approx. (mm)	Tensile load (N)
16122	24 x 1,5 mm ²	round	black	732	86	21,5	540
16159	27 x 1,5 mm ²	round	black	787	91	22,7	608
16185	37 x 1,5 mm ²	round	black	1016	104	26,1	833
15987	3 G 2,5 mm ²	round	black	171	42	10,4	113
15988	4 G 2,5 mm ²	round	black	209	46	11,5	150
15989	5 G 2,5 mm ²	round	black	293	50	12,4	188
16123	1 x 2,5 mm ²	round	black	71	25	6,2	38
16124	2 x 2,5 mm ²	round	black	137	40	9,9	75
16125	3 x 2,5 mm ²	round	black	171	42	10,4	113
16126	4 x 2,5 mm ²	round	black	209	46	11,4	150
16127	5 x 2,5 mm ²	round	black	295	50	12,4	188
16128	7 x 2,5 mm ²	round	black	354	56	14,1	263
16129	1 x 4 mm ²	round	black	93	27	6,8	60
16130	2 x 4 mm ²	round	black	186	44	11,1	120
16131	3 x 4 mm ²	round	black	233	47	11,7	180
16132	4 x 4 mm ²	round	black	289	51	12,7	240
16133	1 x 6 mm ²	round	black	118	29	7,3	90
16134	2 x 6 mm ²	round	black	236	49	12,3	180
16135	3 x 6 mm ²	round	black	305	52	12,9	270
16136	4 x 6 mm ²	round	black	425	59	14,8	360
16137	1 x 10 mm ²	round	black	163	32	8,1	150
16138	2 x 10 mm ²	round	black	370	57	14,3	300
16139	3 x 10 mm ²	round	black	475	60	15,1	450
16140	4 x 10 mm ²	round	black	614	67	16,7	600
16141	1 x 16 mm ²	round	black	230	37	9,3	240
16142	2 x 16 mm ²	round	black	511	66	16,5	480
16143	3 x 16 mm ²	round	black	683	70	17,5	720
16144	4 x 16 mm ²	round	black	878	77	19,3	960
16145	1 x 25 mm ²	round	black	345	45	11,2	375
16146	2 x 25 mm ²	round	black	755	80	20,1	750
16147	3 x 25 mm ²	round	black	1155	85	21,3	1125
16148	4 x 25 mm ²	round	black	1318	94	23,6	1500
16158	1 x 35 mm ²	round	black	478	53	13,2	525
16157	2 x 35 mm ²	round	black	985	94	23,4	1050
16149	3 x 35 mm ²	Sector-shaped	black	1381	86	21,6	1575
16426	4 x 35 mm ²	Sector-shaped	black	1713	95	23,8	2100
16401	1 x 50 mm ²	round	black	623	59	14,7	750
16150	3 x 50 mm ²	Sector-shaped	black	1779	96	23,9	2250
16427	4 x 50 mm ²	Sector-shaped	black	2305	107	26,8	3000
16402	1 x 70 mm ²	round	black	855	66	16,6	1050
16151	3 x 70 mm ²	Sector-shaped	black	2424	112	28	3150

Partnumber	Construction	Shape of conductor	Colour outer sheath	Net weight (kg/km)	Bending radius after installation (mm)	Outer diameter approx. (mm)	Tensile load (N)
16403	1 x 95 mm ²	round	black	1131	75	18,7	1425
16152	3 x 95 mm ²	Sector-shaped	black	3288	128	32,1	4275
16404	1 x 120 mm ²	round	black	1401	82	20,5	1800
16153	3 x 120 mm ²	Sector-shaped	black	4141	142	35,5	5400
16405	1 x 150 mm ²	round	black	1684	90	22,6	2250
16154	3 x 150 mm ²	Sector-shaped	black	5158	159	39,7	6750
16183	4 x 150 mm ²	Sector-shaped	black	6643	181	45,3	9000
16406	1 x 185 mm ²	round	black	2090	101	25,3	2775
16155	3 x 185 mm ²	Sector-shaped	black	6269	171	42,8	8325
16407	1 x 240 mm ²	round	black	2658	112	27,9	3600
16156	3 x 240 mm ²	Sector-shaped	black	8164	198	49,5	10800
16433	1 x 300 mm ²	round	black	3263	126	31,6	4500
16434	3 x 300 mm ²	Sector-shaped	black	9998	206	51,4	13500