



## MarineFlex YZp 0,6/1 kV

03-11-2022

### 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
- Excellent abrasion resistance
- Different colour outer sheaths, other than black, available on request

#### Core identification:

- HD308 S2



### Specifications

Suitable as installation cable	No
Suitable as medium-voltage cable	No
Certified for shipboard application	Yes
Certified as airport lighting cable	No
Standardization	IEC 60092-350/-360/-353
Conductor material	Copper
Conductor surface	Bare
Standardization conductor material	IEC 60228
Shape of conductor	Round
Conductor category	Class 5 = flexible
Core insulation material	Crosslinked polyethylene (XLPE)
Conductor coding in accordance with HD 308 S2	Yes
Sheath material	Flame Retardant Halogen Free Polyolefin Compound
Sheath colour	Black



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### Specifications

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
Transportation and storage temperature	-40 / 50 °C
Permitted cable outer temperature during assembling/handling	-20 / 50 °C
Permitted cable outer temperature after assembling without vibration	-40 / 70 °C
Nominal voltage U <sub>0</sub>	0.6 kV
Nominal voltage U	1 kV
Test voltage	3.5 kV

### 33 products

Part number	Construction	Net weight (kg/m)	Min bending radius after installation (mm)	Outer diameter approx (mm)	Tensile load (N)
16488	1 x 16 mm <sup>2</sup> Black	0.179	35	8.6	375
16486	2 x 16 mm <sup>2</sup> Black	0.544	67	16.6	720
16447	3 x 16 mm <sup>2</sup> Black	0.672	71	17.6	720
16484	4 x 16 mm <sup>2</sup> Black	0.822	76	19	960
17427	5 G 16 mm <sup>2</sup> Black	1.029	86	21.3	1,200
16537	1 x 25 mm <sup>2</sup> Black	0.27	41	10.2	375
16659	2 x 25 mm <sup>2</sup> Black	0.814	80	20	1,125
16482	3 x 25 mm <sup>2</sup> Black	1.009	85	21.2	1,125
16542	4 x 25 mm <sup>2</sup> Black	1.265	94	23.3	1,500
16090	1 x 35 mm <sup>2</sup> Black	0.358	47	11.7	525
16091	2 x 35 mm <sup>2</sup> Black	1.066	91	22.7	1,050
16092	3 x 35 mm <sup>2</sup> Black	1.395	101	25.1	1,575
16438	4 x 35 mm <sup>2</sup> Black	1.814	113	28.1	2,100



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16093	1 x 50 mm <sup>2</sup> Black	0.493	53	13.1	750
16094	3 x 50 mm <sup>2</sup> Black	1.911	114	28.5	2,250
16439	4 x 50 mm <sup>2</sup> Black	2.481	128	31.9	3,000
16095	1 x 70 mm <sup>2</sup> Black	0.691	63	15.1	1,050
16096	3 x 70 mm <sup>2</sup> Black	2.656	132	32.9	3,150
16440	4 x 70 mm <sup>2</sup> Black	3.412	147	36.6	4,200
16097	1 x 95 mm <sup>2</sup> Black	0.901	69	17.1	1,425
16098	3 x 95 mm <sup>2</sup> Black	3.44	150	37.4	4,275
16441	4 x 95 mm <sup>2</sup> Black	4.405	165	41.1	5,700
16099	1 x 120 mm <sup>2</sup> Black	1.132	76	18.9	1,800
16100	3 x 120 mm <sup>2</sup> Black	4.356	167	41.6	5,400
16442	4 x 120 mm <sup>2</sup> Black	5.615	186	46.2	7,200
16101	1 x 150 mm <sup>2</sup> Black	1.406	85	21.1	2,250
16102	3 x 150 mm <sup>2</sup> Black	5.387	185	46.2	6,750
16103	1 x 185 mm <sup>2</sup> Black	1.706	92	23	2,775
16104	3 x 185 mm <sup>2</sup> Black	6.524	206	51.4	8,325
16105	1 x 240 mm <sup>2</sup> Black	2.296	106	26.5	3,600
16106	3 x 240 mm <sup>2</sup> Black	8.702	234	58.3	10,800
15983	4 x 240 mm <sup>2</sup> Black	11.178	258	64.3	14,400
16107	1 x 300 mm <sup>2</sup> Black	2.817	118	29.3	4,500