



## MarineFlex YZp 0,6/1 kV

16-10-2019

### 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

Product group	<i>Power cable <math>\geq 1</math> kV, for permanent installation</i>
Type	<i>MarineFlex YZp 0,6/1 kV</i>
Standardization	<i>IEC 60092-350/-360/-353</i>
Conductor material	<i>Copper</i>
Conductor surface	<i>Bare</i>
Standardization conductor material	<i>IEC 60228</i>
Conductor category	<i>Class 5 = flexible</i>
Core insulation	<i>XLPE (VPE)</i>
Material outer sheath	<i>Flame Retardant Halogen Free Polyolefin Compound</i>
Colour outer sheath	<i>Product dependent</i>
Flame retardant	<i>IEC 60332-1 / IEC 60332-3-22 Cat. A</i>
Halogen free	<i>IEC 60754-1/2</i>
Low smoke	<i>IEC 61034-2</i>
Permitted cable outer temperature, in movement	<i>-20 / 70 °C</i>
Permitted cable outer temperature, fixed	<i>-40 / 70 °C</i>



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Max. conductor temperature	90 °C
Nominal voltage U0	0.6 kV
Nominal voltage U	1 kV
Test voltage	3500 kV

### 40 products

Part number	Construction G=Y/G	Shape of conductor	Colour outer sheath	Net weight (kg/m)	Min. bending radius after installation	Outer diameter approx.	Tensile load
16525	3 x 1,5 mm <sup>2</sup>	Round	Black	0,092		8,6	68
16526	4 x 1,5 mm <sup>2</sup>	Round	Black	0,114		9,4	90
16527	2 x 2,5 mm <sup>2</sup>	Round	Black	0,099		9	75
16528	3 x 2,5 mm <sup>2</sup>	Round	Black	0,130		10	113
16529	4 x 2,5 mm <sup>2</sup>	Round	Black	0,163		10,9	150
16538	4 x 4 mm <sup>2</sup>	Round	Black	0,227		12,2	240
16488	1 x 16 mm <sup>2</sup>	Round	Black	0,185		8,9	375
16486	2 x 16 mm <sup>2</sup>	Round	Black	0,499		16,1	720
16447	3 x 16 mm <sup>2</sup>	Round	Black	0,684		17,9	720
16484	4 x 16 mm <sup>2</sup>	Round	Black	0,850		19,6	960
17427	5 G 16 mm <sup>2</sup>	Round	Black	1,062		22	1200
16537	1 x 25 mm <sup>2</sup>	Round	Black	0,272		10,4	375
16482	3 x 25 mm <sup>2</sup>	Round	Black	1,027		21,7	1125
16542	4 x 25 mm <sup>2</sup>	Round	Black	1,281		23,8	1500
16090	1 x 35 mm <sup>2</sup>	Round	Black	0,359		11,9	525
16091	2 x 35 mm <sup>2</sup>	Round	Black	1,086		23,3	1050
16092	3 x 35 mm <sup>2</sup>	Round	Black	1,415		25,6	1575
16438	4 x 35 mm <sup>2</sup>	Round	Black	1,837		28,7	2100
16093	1 x 50 mm <sup>2</sup>	Round	Black	0,496		13,4	750
16094	3 x 50 mm <sup>2</sup>	Round	Black	1,935		29,1	2250
16439	4 x 50 mm <sup>2</sup>	Round	Black	2,503		33,1	3000



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16095	1 x 70 mm <sup>2</sup>	Round	Black	0,693		15,6	1050
16096	3 x 70 mm <sup>2</sup>	Round	Black	2,682		34,3	3150
16440	4 x 70 mm <sup>2</sup>	Round	Black	3,448		37,9	4200
16097	1 x 95 mm <sup>2</sup>	Round	Black	0,902		17,4	1425
17222	1 x 95 mm <sup>2</sup>	Round	Red	0,899		17,4	1425
16098	3 x 95 mm <sup>2</sup>	Round	Black	3,467		38,2	4275
16441	4 x 95 mm <sup>2</sup>	Round	Black	4,454		42,1	5700
16099	1 x 120 mm <sup>2</sup>	Round	Black	1,133		19,2	1800
16100	3 x 120 mm <sup>2</sup>	Round	Black	4,396		42,6	5400
16442	4 x 120 mm <sup>2</sup>	Round	Black	5,623		46,9	7200
16101	1 x 150 mm <sup>2</sup>	Round	Black	1,412		21,4	2250
16102	3 x 150 mm <sup>2</sup>	Round	Black	5,454		47,4	6750
16103	1 x 185 mm <sup>2</sup>	Round	Black	1,714		23,6	2775
16660	1 x 185 mm <sup>2</sup>	Round	Red	1,709		23,4	2775
16104	3 x 185 mm <sup>2</sup>	Round	Black	6,544		52,1	8325
16105	1 x 240 mm <sup>2</sup>	Round	Black	2,305		26,8	3600
16106	3 x 240 mm <sup>2</sup>	Round	Black	8,774		59	10800
15983	4 x 240 mm <sup>2</sup>	Round	Black	11,266		65,8	14400
16107	1 x 300 mm <sup>2</sup>	Round	Black	2,827		30,8	4500