



Shipboard communication cable

MarineCom YZafc 250 V

Article number: 16841

03-08-2017

Description24 x 2 x 1,5 mm²

Special lightweight communication cables for use in yachts. When no mechanical protection is needed, but screening is necessary these cables offer a lightweight and small-diameter solution compared to braided cables.

The Alu-pet tape in combination with the tinned copper drainwire offers good EMI protection.

**Trading information**

Product group	Shipboard communication cable
Series	Shipboard cable
Type	MarineCom YZafc 250 V
Net. Weight	1,088 kg/m
Sheath marking	{Length} TKF - 24x2x1,5 - 250V - CS 90 - mbzh - MarineCom YZafc HALOGEN FREE {Batch} {Year}

Trade lengths

Reel à 1	(16841 / 8713182141509)
Reel à 500	(16841H X 500/20 / 8713182141493)



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Construction characteristics

Standardization	IEC 60092-350/-360/-376
Stranding element	Pair
Conductor category	Class 2 = stranded
Conductor material	Cu
Standardization conductor material	IEC 60228
Number of cores	48
Number of pairs	24
Number of conductors per group	2
Nominal cross section conductor	1.5 mm ²
Core insulation	XLPE (VPE)
Core identification	Numbers
Core lay-up	Concentric layers
Binder/filler	Polyester tape
Overall stranding screen	Alpet tape
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Standardization sheath material	IEC 60092-360
Colour outer sheath	Grey



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Properties

Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Halogen free	IEC 60754-1/2
Low smoke	IEC 61034-2
Diameter conductor	1.56 mm
Insulation thickness	0.6 mm
Nominal outer sheath thickness	1.9 mm
Outer diameter approx.	30.5 mm
Min. bending radius after installation	244 mm
Min. bending radius during installation	305 mm
Tensile load	1080 N

Technical characteristics

Test voltage	1500 V
Nominal voltage U	250 V
Conductor DC resistance @ 20°C	12.8 Ohm/km
Conductor AC resistance @ max. cont. Conductor temp.	16.3 Ohm/km
Inductance	0.5 mH/km
Capacity	55 nF/km
Maximum conductor temperature	90 °C
Permitted cable outer temperature, in movement	-20 / 70 °C
Permitted cable outer temperature, fixed	-40 / 70 °C