

Halogen free installation cable 1 kV, HFAL-M



Application

Halogen free power cable for fixed installation indoors and outdoors and buried in the ground but not in water.

Conductor	Solid aluminum acc. to IEC 60228 class 1, 16-25 mm ² round, ≥ 50 mm ² sector shaped
Insulation	XLPE
Core marking	Colour code acc. to HD 308, 4-core: blue, brown, black, grey, 5-core: green/yellow, blue, brown, black, grey
Filler	Plastic tape
Sheath	Light grey halogen free compound, UV resistant, meter marked and with rip cord
Ambient temp. at installation	Min -5°C
Conductor temperature	Max 90°C
Short circuit temperature	Max 250°C
Min. bending radius:	12xD
Rated voltage	0,6/1 kV
Test voltage	4 kV
CPR fire class	Eca, 4x16 – 25 mm ² , 5G16 – 25 mm ² : DoP nr 1175445, 4x50 – 4x240 mm ² : DoP nr 1175446
Halogen free	EC 60754-1, -2
Smoke density	IEC 61034
Meets RoHS and REACH	
Approval	CE-marked acc. to Low Voltage Directive
Design	HD 604 S1

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Dimension • Weight

No of cond. X cross section	Nom diameter mm	Cable weight kg/km	Delivery length m/dr.dia/dr.width	LM item number
4X16	19	360	300m/T700/500	5733150756
4X16	19	360	1500m/T1200/600	5733150769
4X25	22	515	1000m/T1200/750	5733150772
4X50	28	870	1000m/T1600/1000	5733150785
4X95	36	1500	1000m/1800/1000	5733150798
4X150	43	2300	1000m/T2200/1150	5733150808
4X240	52	3585	700m/T2200/1150	5733150811
5G16	21	480	1000m/T1450/700	5733150824
5G25	25	697	1000m/T1600/750	5733150837

Current rating acc. to IEC 60364-5-52

No of cond x cross section	Multi-core cable in free air with three loaded conductors, table B.52.13, method E, ambient temperature 30°C	Multi-core cable in the ground with three loaded conductors, table B.52.5, method D2, ambient temperature 20°C,
4X16	77A	64A
4X25	97A	82A
4X50	146A	117A
4X95	227A	172A
4X150	304A	220A
4X240	409A	290A
5G16	77A	64A
5G25	97A	82A