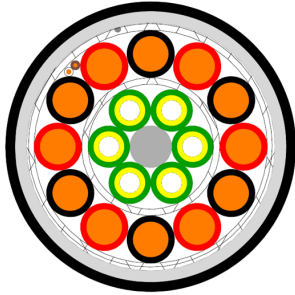


EUCAHYBRID 158-12AWG4-6x16MM5-CP

EUCAHYBRID 158-12AWG4-6x16SM-CP

PRODUCT DESCRIPTION



1-5/8" hybrid multi mode fiber optic cable with 48V energy feeder in a corrugated aluminum shielding with UV resistant PE jacket.

TECHNICAL FEATURES

CONSTRUCTION	MM5	SM
Copper feed lines		
• Quantity	12	
• Conductor material	electrolytic copper	
• Section	21,3 mm ²	
• Diameter over isolation	8,2 mm	
Dry contact		
• Quantity	2 (one pair)	
• Conductor material	electrolytic copper	
• Copper diameter	0,8 mm	
• Outer diameter (each wire)	1,6 mm	
Fiber Optic cable element		
• Quantity	6	
• Diameter	7,2 mm	
• Fibers quantity per element	16	
• Fiber type	Multi Mode	Single Mode
• Fiber size	50/125/900 μm	9/125/900 μm
• Reinforcement	Aramide fiber	
Ripcord		
• Quantity	1	
• Material	Steel Wire	
• Diameter	1,0 mm	
Outer shield		
• Material	Corrugated aluminum tube	
• Diameter	45,5 mm	
Jacket		
• Material	Black Polyethylene	
• Thickness	1,7 mm	
• Diameter	49 mm	



TECHNICAL DATA SHEET

Hybrid Cables for RRH applications

Kabelwerk | **EUPEN** AG

Rev.: 03/2021-03-31

cable

2/2

EUCAHYBRID 158-12AWG4-6x16MM5-CP

EUCAHYBRID 158-12AWG4-6x16SM-CP

MECHANICAL

• Minimum bending radius	490 mm
• Maximum pulling strength	175 daN
• Recommended temperature range	
Storage	-40 °C to +70 °C
Installation	-30 °C to +60 °C
Operation	-40 °C to +70 °C
• Maximum Hanger spacing	1,0 m
• Approx. weight	3825 kg/km (2,57 lb/ft)

ELECTRICAL

• Main conductors	
Resistance	0,86 Ohm/km at 20 °C
Operating DC voltage	48 V
Rated DC voltage	60 V
• Dry contact wires	
Resistance	36,0 Ohm/km at 20 °C
Maximum DC voltage	600 V

OPTICAL

MM5

SM

• Fiber type	OM3	G657A1
• Fiber wave length	850 & 1300 nm	1310 & 1550 nm
• Max attenuation		
	850 nm: ≤3,0 dB/km	1310 nm: ≤0,40 dB/km
	1300 nm: ≤1,0 dB/km	1550 nm: ≤0,25 dB/km
• Core diameter	50 µm	9 µm
• Cladding diameter	125 µm	125 µm
• Coating diameter	250 µm	250 µm
• Tight buffer fiber diameter	900 µm	900 µm

Norms / Certifications

Jacket: EN 50289-4-17 / ISO 4892-2, IEC 60811

Wire insulation: IEC 60811

Fiber: IEC 60794-1, GR20 core

RoHS 2011/65/EU compliant

Kabelwerk Eupen AG has been certified ISO 9001:2008 and ISO14001:2004 for the development, manufacture and supply of cables, wires and related products.