



EUCAHYBRID 78-6C10-24MM5-CP

EUCAHYBRID 78-6C10-24SM-CP

PRODUCT DESCRIPTION



7/8" hybrid fiber optic cable with 48V energy feeder in a corrugated aluminum shielding with UV resistant PE jacket. Multi mode and single mode fiber available.

TECHNICAL FEATURES

CONSTRUCTION	MM5	SM
Copper feed lines		
• Quantity	6	
• Conductor material	electrolytic copper	
• Section	10 mm ²	
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		
• Quantity	1	
• Fibers quantity	24	
• Fiber type	Multi Mode	Single Mode
• Fiber size	50/125/900 µm	9/125/900 µm
• Reinforcement	Aramide fiber	
Outer shield		
• Material	Corrugated aluminum tube	
• Diameter	25 mm	
Jacket		
• Material	Black Polyethylene	
• Thickness	1,5 mm	
• Diameter	28 mm	



TECHNICAL DATA SHEET

Hybrid Cables for RRH applications

Kabelwerk | **EUPEN** AG

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cable

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MECHANICAL

• Minimum bending radius	250 mm
• Maximum pulling strength	100 daN
• Recommended temperature range	
Storage	-30 °C - +70 °C
Installation	-20 °C - +60 °C
Operation	-30 °C - +70 °C
• Maximum Hanger spacing	1,0 m
• Approx. weight	1035 kg/km (0,70 lb/ft)

ELECTRICAL

• Main conductors	
Resistance	1,91 Ohm/km at 20 °C
Operating DC voltage	48 V
Maximum DC current	45 A at 20 °C
• Dry contact	
Resistance	21,43 Ohm/km
Maximum DC voltage	600 V DC
Maximum DC current	6 A at 20 °C

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