

Cable Proposal CP2970



Nanocable

Status: Provisional Data subject to testing

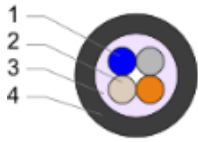



Application

Optical fibre microcable with up to twelve fibres set in an encapsulating layer providing excellent dimensional and thermal stability. An outer thermoplastic layer provides a high level of protection and excellent installation properties. The microcable is designed for blowing and pushing long distances into fibreFLOW™ microducts and tube bundles. The strong outer sheath means that additional protection is not required in protected closures or cabinets. The fibres are dry, not coated with gel, thus permitting fast and contamination –free connections.

Features

- Designed to be installed by blowing, pulling or pushing
- Low weight
- Small diameter
- All dielectric design
- Ultra low friction sheath
- Low coil set

Properties

Construction 1: Optical fibre 2: FRP rod (2,6,8 counts only) 3: Encapsulation 4: Low friction sheath				
	2f	4-6f	8f	12f
				
Number of fibres	2	6	8	12
Outer diameter (nominal)	1.6 mm	1.8 mm	2.0 mm	2.1 mm
Mass (nominal)	2.0 g/m	2.4 g/m	3.2 g/m	3.4 g/m
Min bend radius	32 mm	36 mm	40 mm	40 mm
Maximum installation tension	20 N	24 N	32 N	34 N
Fibre types available	Singlemode compliant with G657A2 (ITU-T)			
Temperatures	Storage	-20°C to +40°C	-20°C to +40°C	-20°C to +40°C
	Installation	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
	Operational	-40°C to +70°C	-20°C to +70°C	-50°C to +70°C
Attenuation at 20°C (dB/km)	0.40 dB/km max at 1310nm to 1625nm 0.30 dB/km max at 1550nm 0.34 dB/km max at 1383nm waterpeak			
PMD _Q (M= 20, Q=0.01%)	≤0.2 ps / (km) ^{0.5}			

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Issue 11: 01/10/2020

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Fibre Identification

Coloured as

Blue, orange, green, red, grey, yellow, brown, violet, black, aqua, pink, white

Sheath Marking

Marked every 1m with

Emtelle – Year – Fibre Count – Fibre Type – Product Code – Batch ID – Meter Mark

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