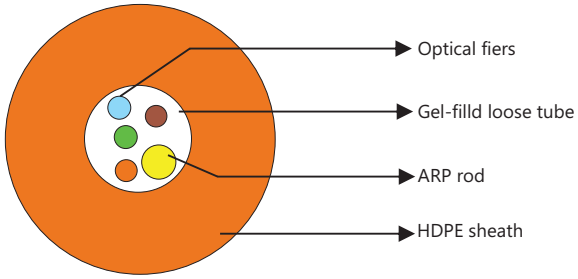
Light outdoor microcable of small diameter, gel-filld



AF19: Light outdoor microcable of small diameter, gel-filld, MC A-D(ZN)4Y 40N

Application:
- Outdoor use for micro duct systems, cable is all-dielectric
- For building access FTTH, networks, CATV and surveillance installatons.

Standards:
- EN 187 000
- IEC 60794-3, PN EN 60794-3
- PN EN 60793-1-1
- IEC 60794-3-10
- IEC 60794-3-12
- ISO 11801 2-nd edition
- PN EN 50173-1
- PN EN 41003
- ITUT G.657A.1

Construction

Property	Value				
Maximum tensile strength	40 N				
Temperate ranges	Operation: -30°C to +70°C Installation: -10°C to +50°C Storage: -30°C to +70°C				
Minimum bend radius	Short term: 15 x D Long term: 20 x D				
Fibre colours*	Color	RE	GR	BL	YE
Tube colours*	Color	NT			

Transmission parameters

Parameter	Value
Fiber type	G.657A.1 (OS2)
Attenuation for 1310 nm wave	≤ 0.35 dB/km
Attenuation for 1550 nm wave	≤ 0.22 dB/km
Attenuation for 1383 nm (± 3 nm) wave	≤ 0.32 dB/km
Attenuation for 1625 nm wave	≤ 0.25 dB/km
Cut-off wavelength	≤ 1260 nm
Chromatic dispersion 1285 – 1330 nm	≤ 3.5 ps/nm/km
Chromatic dispersion 1550 nm	≤ 18 ps/nm/km
Chromatic dispersion 1625 nm	≤ 22 ps/nm/km
Fiber cladding diameter	125.0 ± 0.7 µm
Sheath diameter, colourless	245.0 ± 5 µm
Mode field diameter: 1310 nm	8.6 ± 0.4 µm
Mode field diameter: 1550 nm	9.3 ± 0.5 µm

Structure

Strength member	dielectric FRP rod
Loose tube	gel-filled, 2 or 4 fibres in central tube
Water resistance	tube protected with thixotropic gel
Cable sheath	Thickness - 0.2 mm, orange Nylon-12

Number of fibers (number of fibers per tube)	Nominal cable diameter	Nominal cable weight	Dedicated inner diameter of a micro tube (mm)
2J	1.7 mm	7 kg/km	min. 3.5 mm
4J	1.9 mm	8 kg/km	min. 3.5 mm

Ordering information

Number of fibers	Product description	Index
2J	Micro cable FO BKT MC A-D(ZN)4Y 2E 9/125 40N AF19	10261615.1
4J	Micro cable FO BKT MC A-D(ZN)4Y 4E 9/125 40N AF19	10261625.1