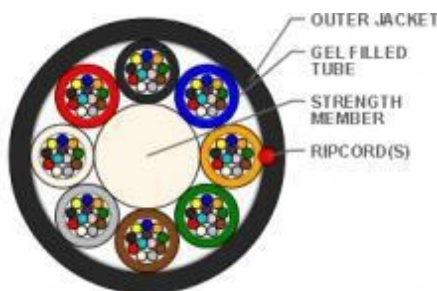


MAUNT®

M00000933

Microduct cable, 96-way, SM, G.657A1, 250um, 6.5mm, black



Description

This microduct cable has a single sheath. This cable is a loose tube cable with glass fibres placed in robust tubes and wrapped around a fibre-reinforced plastic strength element. Besides glass fibres, the tubes also contain water-blocking gel and the cable core is tightly sealed to prevent water penetration into the interstices of the cable core.

Features

- Compared to conventional cables, the diameter of this microduct cable is smaller, reducing installation costs
- Easily removable robust thermoplastic jacket
- Water-blocking technology helps in faster preparation
- Flexible, lightweight and easy to handle and install

Specifications

Brand	Sterlite
Number of fibres	96
Fibre type	Sterlite ITU-T G.657 A1
Maximum wired attenuation (dB/km)	1310nm : 0.35 & 1550nm : 0.23
PMD LDV (ps/sqrt.km)	< /= 0.1
Fibres per tube	12
Colour sequence	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Purple, Pink, Aqua
Central strength element	FRP (Fibre Reinforced Plastic)
Number of tubes in layer 1	8
Colour sequence tubes	Blue, Orange, Green, Brown, Grey, White, Red, Black
Jacket material	UV-proof black polyethylene

Number of ripcords under cloak	1
Nominal cable dimensions (mm)	6.5±0.3
Nominal cable weight (kg/km)	41±10%

Cable features	Test standard	Cable performance
Tensile strength (N)	IEC-60794-1-21-E1	500
Skull pressure (N/100 mm)	IEC-60794-1-21-E3	500
Impact (Nm)	IEC-60794-1-21-E4	2
Wring tension	IEC-60794-1-21-E7	±180°
Min. bending radius (during installation)	IEC-60794-1-21-E11	20 D
Min. bending radius (after installation)	IEC-60794-1-21-E11	10 D
Water penetration test	IEC-60794-1-22-F5	1 m waterhead, samples of 3 m, 24 hours
Drip test	IEC-60794-1-21-E14	30 cm, 70°C, 24 hours
Temperature performance	IEC-60794-1-22-F1	Max height change in attenuation will be: ≤ 0.15 dB/km
Installation temperature		-10°C to +70°C
Operating temperature		-40°C to +70°C
Storage temperature		-40°C to +70°C

Note: All tests are performed according to IEC standards. Change in attenuation before and after testing should be ≤ 0.1 dB/km.

Cable performance standards

Cable complies with the following standards IEC 60793, IEC 60794-5-10, ITU-T, RoHS, REACH.

Packaging and lengths

Reel type	Wooden reels
Long lengths (km)	8 ± 5%
Order tolerance	± 5%
Short lengths	Max 5%, Customer Approval

Print details

Print	Sterlite SM 96F G657A1 microduct, laser symbol, phone symbol, year of manufacture, length, code, metre marking
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