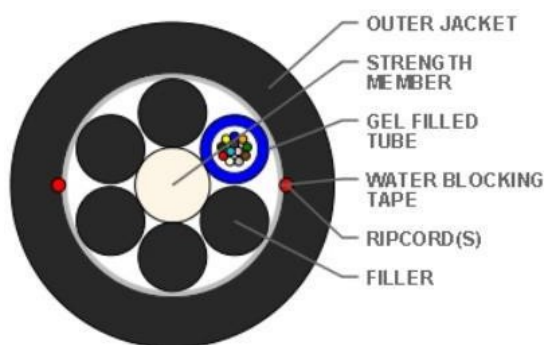


M00000934

Standard duct cable, 12-way, SM, G.657A1, 250um, 9.5mm, black



Description

This standard duct cable has a single jacket and is suitable for duct applications. 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

- Multitube design with drawstrings for easy and quick access in the middle of the span
- Easily removable robust thermoplastic jacket
- Water-blocking technology helps in faster preparation
- Flexible, lightweight and easy to handle and install
- Tensile and crush-resistant
- UV-protected

Specifications

Brand	Sterlite
Number of fibres	12
Fibre type	Sterlite ITU-T G.657 A1
Maximum wired attenuation (dB/km)	1310nm : 0.35 & 1550nm : 0.23
Individual PMD (ps / sqrt.km)	≤ 0.2
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	1
Colour sequence tubes	Blue, Padding, Padding, Padding, Padding, Padding
Number of fillers	5
Colour padding	Black
Jacket material	UV-proof black polyethylene
Number of ripcords under cloak	2
Nominal cable dimensions (mm)	9.5±0.5
Nominal cable weight (kg/km)	66±10%

Cable features

Test standard

Cable performance

Tensile strength (N)	IEC-60794-1-21-E1	1500
Skull pressure (N/100 mm)	IEC-60794-1-21-E3	2000
Impact (Nm)	IEC-60794-1-21-E4	5
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	15 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 after and before testing should be ≤ 0.05 dB/km for Single Mode fibre optic and ≤ 0.3 dB/km for multimode optical fibre

Cable performance standards

Cable complies with the following standards IEC 60793, IEC 60794, Telecordia GR-20, 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 12F G657A1 duct, laser
symbol, telephone symbol, year of
manufacture, length, code, metre
marking

