

Fiber Optic Cable Outdoor

Descriptions: Aerial/Duct/Buried

Description

The fibres, either of single-mode or multimode type, are positioned in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. The tube is wrapped with a layer of PSP longitudinally. Between the PSP (corrugated steel) and the loose tube water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the steel tape. The cable is completed with a polyethylene (PE) sheath.

Characteristics

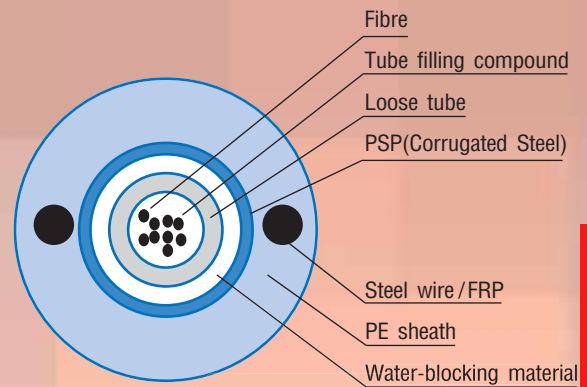
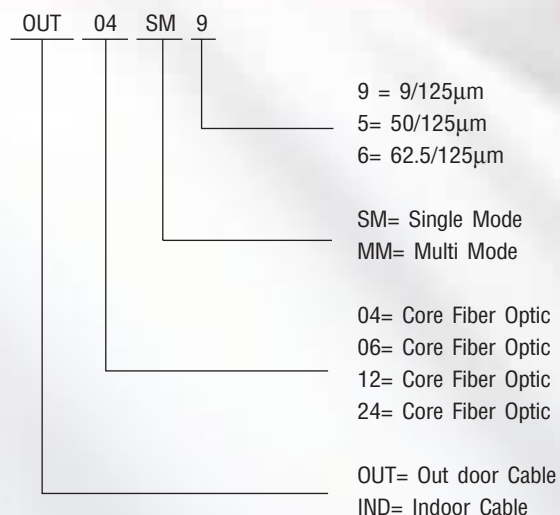
- Accurate fibre excess length ensures good performance of tensile strength and temperature
- High strength loose tube that is hydrolysis resistant and special tube filling compound ensure a critical protection of fibre shrinking
- PE sheath protects cable from ultraviolet radiation
- Crush resistance and flexibility
- Two parallel steel wires ensure tensile strength
- Small diameter, light weight and installation friendliness
- Long delivery length
- The following measures are taken to ensure the cable watertight:
 - Special loose tube filling compound
 - PSP for enhancing moisture-proof
 - Water-blocking material

Feature

- Fibre design 9/125um,62.5/125um,50/125um
- The steel tape armour provides rodent protection.
- Excellent optical and mechanical performance.
- Colour-coded binders for easy identification of each bundle.
- Design and Test complies with industry standard multimode fibre, IEC793-2:1992 Cat.A1B and IEC793-1:1992.
- General purpose fibre for industrial market, CaTV, Data, ATM, Fibre Channel, FDDI, Ethernet (FOIRL,10BASE-F, 100BASE-FX,1000BASE-SX, LX, Gigabite)

Standards

International	ISO/IEC 11801
European	EN 50173
North American	ANSI/TIA/EIA-568-B3
	Telcordia GR-20
	ANSI/ICEA S-87-640



Applications

Fiber Optic cable intended for all high speed data applications, including :

IEEE 802.3	10Mb/s
IEEE 802.3 10Base-F	10Mb/s
IEEE 802.3 1000Base-SX/LX	1000Mb/s
FDDI	100Mb/s
ATM	155Mb/s
	622/Mb/s
	1.2/2.4 Gb/s
Fibre Channel FC-PH	1.062 Gb/s

- Fiber Count 2-24
- Steel Wire Diameter(mm) 1.6
- Loose Tube Size(mm) 2.0/3.0
- Sheath Thickness(mm) 3.0
- Cable Diameter(mm) 10.2
- Cable Weight(kg/km) 120
- Strength Long/Short Term(n) 1500/3000
- Crush Resistance(N/100mm) 4000
- Dynamic Bending radius 20xD(cable diameter)
- Static bending radius 10xD (cable diameter)

Temperature Rating

- Operation -40 to +75 Celsius
- Storage -40 to +85 Celsius
- Installation -20 to +60 Celsius

CATALOGUE NO.	DESCRIPTION
OUT04SM9	4 Fiber Single Mode
OUT06SM9	6 Fiber Single Mode
OUT12SM9	12 Fiber Single Mode
OUT24SM9	24 Fiber Single Mode
OUT04MM5	4 Fiber 50/125µm Multi Mode
OUT06MM5	6 Fiber 50/125µm Multi Mode
OUT12MM5	12 Fiber 50/125µm Multi Mode
OUT04MM6	4 Fiber 62.5/125µm Multi Mode
OUT06MM6	6 Fiber 62.5/125µm Multi Mode
OUT12MM6	12 Fiber 62.5/125µm Multi Mode