

OUTDOOR STEEL TAPE ARMoured FIBER OPTIC CABLE 2 ~ 144 CORES

Description

The fiber, 250um, are positioned in a loose tube made of a high modulus plastic. The tube are filled with a water-resistant filling compound. The tube is wrapped with a layer of PSP longitudinally between the PSP and the loose tube water-blocking material is applied to keep the cable compact and watertight.

The central strength is a steel wire or FRP sheathed with Polyethylene (PE) for cable with high fiber count, locates in the center of the cable. A layer of laminated steel tape covers the loose tubes to provide armoured protection. The outer jacket is Polyethylene (PE), suitable for outdoor applications.

Application

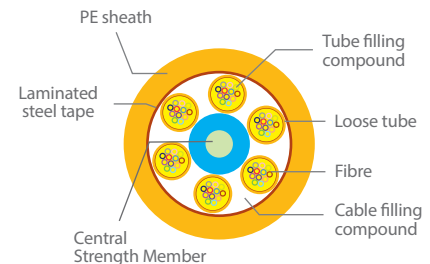
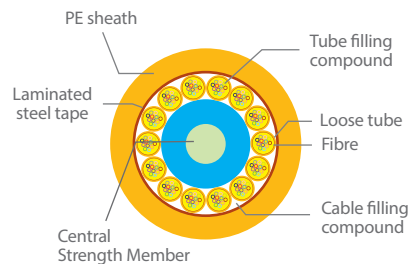
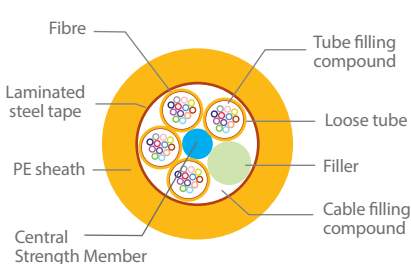
OSP & backbone connectivity.

Standard

- ISO/IEC 11801
- TIA/EIA 568B
- IEC 60794-1
- ITU-T G.652D/G.657A1

Characteristics

- Wavelength: 1260nm ~ 1625nm
- Duct used
- Ultraviolet protection
- Loose tubes are SZ stranded
- Loose tubes and cable core are filled with water-resistant compound.
- Bending radius for G.652D = 30mm, G.657A1 = 10mm



Physical Properties

Fiber Count		2 ~ 30	32 ~ 144
Tensile Strength, N	Long Term	600	1000
	Short Term	1500	3000
Crush Resistance, N/100 mm	Long Term	300	300
	Short Term	1000	1000
Operating Temperature		-20°C to +70°C	

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Optical Properties

		OM2 (50um)	OM3 (50um)	OM4 (50um)	G.652D (9um)	G.657A1 (9um)
Attenuation (Typical)	@ 850 nm	≤ 3.0 dB/km	≤ 2.3 dB/km	≤ 2.3 dB/km	-	-
	@ 1300 nm	≤ 1.0 dB/km	≤ 0.6 dB/km	≤ 0.6 dB/km	-	-
	@ 1310 nm	-	-	-	≤ 0.34 dB/km	≤ 0.33 dB/km
	@ 1383 nm	-	-	-	≤ 0.34 dB/km	≤ 0.33 dB/km
	@ 1550 nm	-	-	-	≤ 0.20 dB/km	≤ 0.20 dB/km
	@ 1625 nm	-	-	-	≤ 0.24 dB/km	≤ 0.23 dB/km
Bandwidth (Overfilled Modal BW)	@ 850 nm	≥ 500 MHz-km	≥ 1500 MHz-km	≥ 3500 MHz-km	-	-
	@ 1300 nm	≥ 1000 MHz-km	≥ 500 MHz-km	≥ 500 MHz-km	-	-
Bandwidth (Effective Modal BW)	@ 850 nm	-	≥ 2000 MHz-km	≥ 4700 MHz-km	-	-
	@ 1300 nm	-	≥ 500 MHz-km	≥ 500 MHz-km	-	-

Ordering information

Part No.	Description
RCF-OS42yyy-2Fx	Multi-mode 50/125um OM2, OSP, Corrugated Steel Armoured Jelly filled, FRP, Fiber Optic Cable, PE Jacket
RCF-OS43yyy-2Fx	Multi-mode 50/125um OM3, OSP, Corrugated Steel Armoured Jelly filled, FRP, Fiber Optic Cable, PE Jacket
RCF-OS44yyy-2Fx	Multi-mode 50/125um OM4, OSP, Corrugated Steel Armoured Jelly filled, FRP, Fiber Optic Cable, PE Jacket
RCF-OS45yyy-2Fx	Single mode 9/125um G.652D, OS2, OSP, Corrugated Steel Armoured Jelly filled, FRP, Fiber Optic Cable, PE Jacket
RCF-OS46yyy-2Fx	Single mode 9/125um G.657A1, OSP, Corrugated Steel Armoured Jelly filled, FRP, Fiber Optic Cable, PE Jacket

* yyy = Number of cores

Example:

- RCF-OS46012-2FM
RFI 12 Core Single mode 9/125um G.657A1, OSP, FRP, Corrugated Steel Armoured Tape, PE Jacket

*x = E, F, H, M, Q, R