

FIBER OPTIC CABLE PRODUCT

SINGLE TUBE, OUTDOOR ARMORED SM/MM



PRODUCT DESCRIPTION

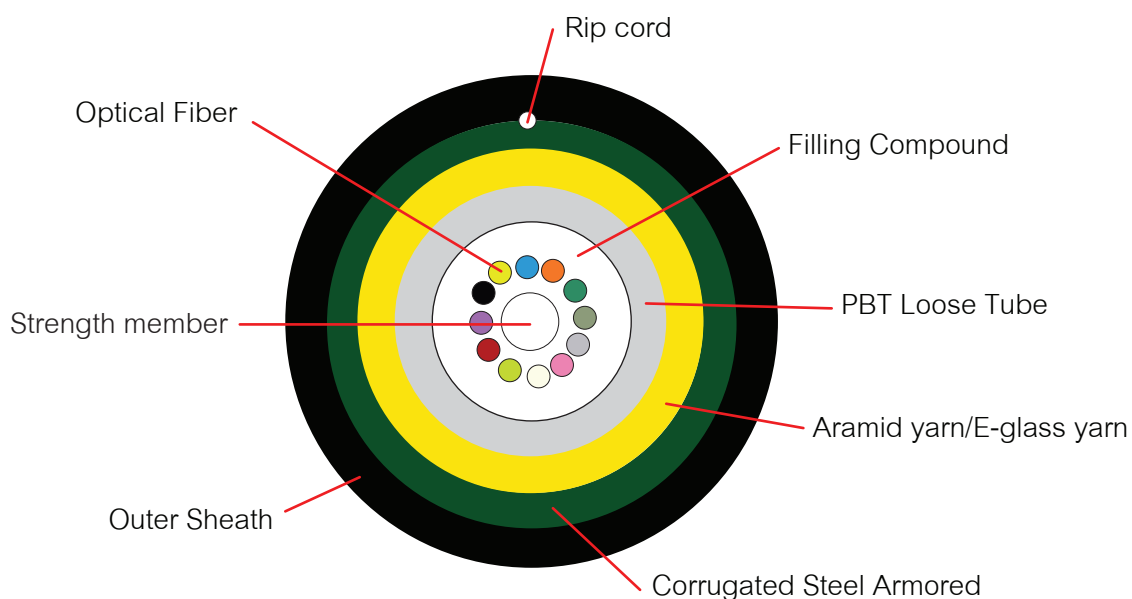
- Low attenuation, dispersion and special control of excess fiber length ensure excellent mechanical and environment properties.
- Filling compound validity prevent water penetration
- Aramid yarn/E-glass yarn increase the tensile strength of cable
- Small outer diameter, lightness and refined structure

APPLICATION

Special design to use with. All dielectric construction, Multimode or single mode fiberoptic. Duct or Lash aerial install. IEEE802.3 (LAN, Ethernet and 10 Gigabit Ethernet) ATM, FDDI, CATV, FTTX, communication.

STANDARD

- ATM, FDDI, FTTX, Fiber Channel, CATV, Communication
- ISO/IEC 11801:2007, ISO/IEC 11801:2011(Ed.2.2)
- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3, ANSI/TIA-568.3-D, ANSI/ICEA 640
- Telcordia (Bellcore)GR-20CORE, GR-409-CORE
- ANSI/ICEA 596, ICEA696, IEC61034-2, IEC60754-2, IEC60793, IEC60794-1-2
- ITU G.652D, ITU-TG 657A2
- TIA/EIA-598-C (Rev.TIA/EIA-598-A), EIA-359-A.
- IEEE802.3z, IEEE802.3ae, IEEE802.3 (LAN, Ethernet Fast Ethernet, Gigabit Ethernet and 10 Gigabit Ethernet 40-100 Gbps)
- RoHS compliant
- TISI-2165
- Made in Thailand : MIT



STRUCTURE PARAMETER

Item	Contents	Unit	Value		
Fiber count	Number	/	4-12	4-12	
Fiber type	/	/	G652D/OM3		
Fibers per tube	Count	/	4-12	4-12	
Fibers color	/	/	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow Pink, Aqua		
Loose tube	Material	/	PBT		
	Nominal Diameter	mm	2.5		
	color	/	Blue		
Water blocking system	Material	/	Water Blocking Glass yam		
Attenuation (After cable)	1310nm	dB/km	≤ 0.35		
	1550nm	dB/km	≤ 0.21		
	850nm	dB/km	≤ 3.5		
	1300nm	dB/km	≤ 1.5		
Peripheral strength member	Material 1	/	Glass yam		
	Material 2	/	Steel tape		
Ripcord	Number	/	HDPE (With Rodent Repellent)	1	LSZH
Outer sheath	Material	/			
	Color	/	7.9	Black	7.9
Cable diameter	± 0.5	mm	60	60	
Cable weight	± 10%	kg/km			

MECHANICAL & ENVIRONMENTAL PERFORMANCE

Item	Contents	Value
Max. tensile load	Short term	1200 N fiber train ≤ 0.33%
Max. crush resistance	Short term	500 N/100mm
Min. bending radius	Installation	20x cable diameter
	Operation	10x cable diameter
Temperature range	Operation	-20°C ~ +75°C
	Installation	-10°C ~ +60°C
	Storage / transportation	-20°C ~ +75°C

OPTICAL FIBER

Item		Unit	Specification
Mode field diameter	1310nm	μm	9.2 ± 0.6
	1550nm	μm	10.4 ± 0.8
Cladding diameter		μm	125.0 ± 1.0
Cladding non-circularity		%	≤1.0
Core concentricity error		μm	≤0.5
Coating diameter		μm	242 ± 5
Coating/cladding concentricity error		μm	≤12
Cable cut-off wavelength		nm	≤1260

FIBER INFORMATION

Core diameter:	50 μm ± 2.5 μm
Cladding diameter:	125 μm ± 1.0 μm
Coating diameter:	242 μm ± 5 μm
Bandwidth at 850nm:	≥1500MHz * km
Bandwidth at 1300nm:	≥500MHz * km

ORDER INFORMATION

