

FIBER OPTIC CABLE PRODUCT

MULTI TUBE, OUTDOOR, ARMORED SINGLE JACKET SM



PRODUCT DESCRIPTION

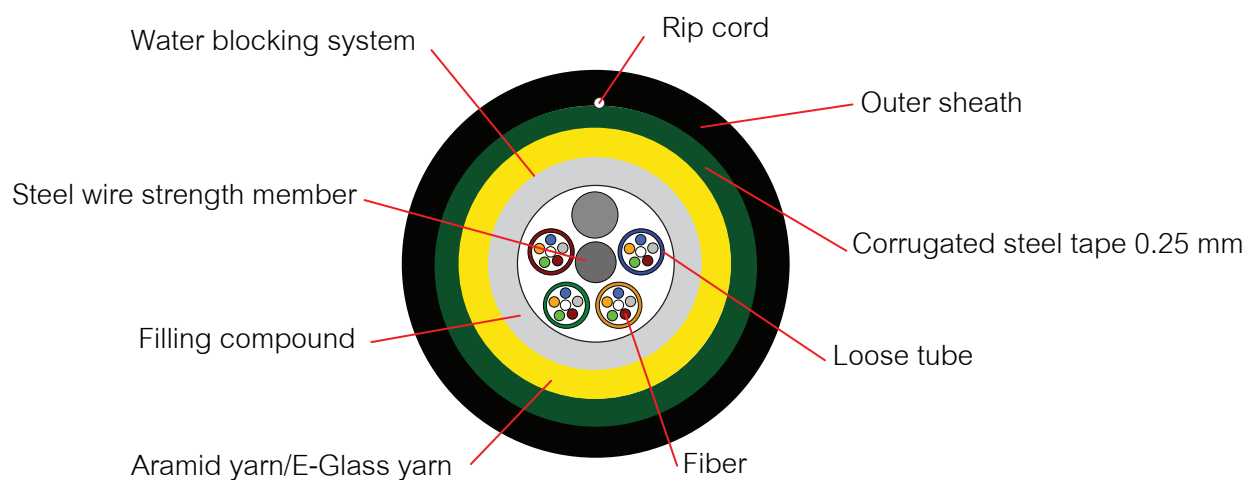
- Low attenuation, dispersion and special control of excess fiber length ensure excellent mechanical and envelopment properties.
- Filling compound and water block material validly prevent water penetration.
- Aramid yarns increase the tensile strength of cable

APPLICATION

- Special design for used together with outdoor and indoor
- All dielectric construction
- Duct or Lash Aerial install
- Multi-mode or single-mode fiber optic
- IEEE802.3 (LAN, Ethernet fast 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



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CABLE STRUCTURE AND PARAMETER

Item	Contents	Unit	Value								
Fiber count	Number	/	12/24	48	96	12/24	48	96	12/24	48	96
Fiber type	/	/	G652D								
Cable structure	/	/	1+5	1+5	1+8	1+5	1+5	1+8	1+5	1+8	1+5
Fibers per tube	Counts	/	6	12	12	6	12	12	6	12	12
Fibers color	/	/	Blue, orange, green, brown, gray, white, red, black, Yellow, Violet, Pink, Aqua								
Loose tube	Material	/	PBT								
	Nomal Diameter	mm	1.8	2.1	2.1	1.8	2.1	2.1	1.8	2.1	2.1
	Color	/	lue, orange, green, brown, gray, white, red, black, Yellow, Violet, Pink, Aqua								
Central strength member	Material	/	Steel wire & PE cushion layer								
Water blocking	Material		Filling compound								
Peripheral strength member	Material		Aramid yam & Corrugated steel tape								
Outer Sheath	Material		HDPE			LSZH			HDPE (Anti Redent Repellent)		
	Color					Black					
	Thickness	mm				1.5 ± 0.2					
Atteniation (after cable)	1310nm	dB/km	≤ 0.36								
	1550nm	dB/km	≤ 0.22								
Cable diameter	±5%	mm	9.3	10.0	12.1	9.3	10.0	12.1	9.3	12.1	10.0
Caber weight	±10%	kg/km	107	121	173	127	143	201	107	173	121
Wind speed	/	Km/h	126								

MAIN MECHANICAL & ENVIRONMENTAL PERFORMANCE

Item	Contents	Value
Max. tensile load	Max allowable tension	3600 N fiber strain ≤ 0.33%
Max. crush resistance	Short term	1000 N/100mm
Min. bending radius	Installation	20x cable diameter
	Operation	10x cable diameter
Temperature range	Operation	-40°C ~ +70°C
	Installation	-40°C ~ +80°C
	Storage / transportation	-40°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	≤0.6
Coating diameter		μm	242 ± 7
Coating/cladding concentricity error		μm	≤12
Cable cut-off wavelength		nm	≤1260
Attenuation	1310nm	dB/km	≤0.35
	1550nm	dB/km	≤0.21

ORDER INFORMATION F-ML-ODA-9-XX-XX-SJ

