

FIBER OPTIC CABLE PRODUCT

Multi loose Tube Outdoor Duct



PRODUCT DESCRIPTION

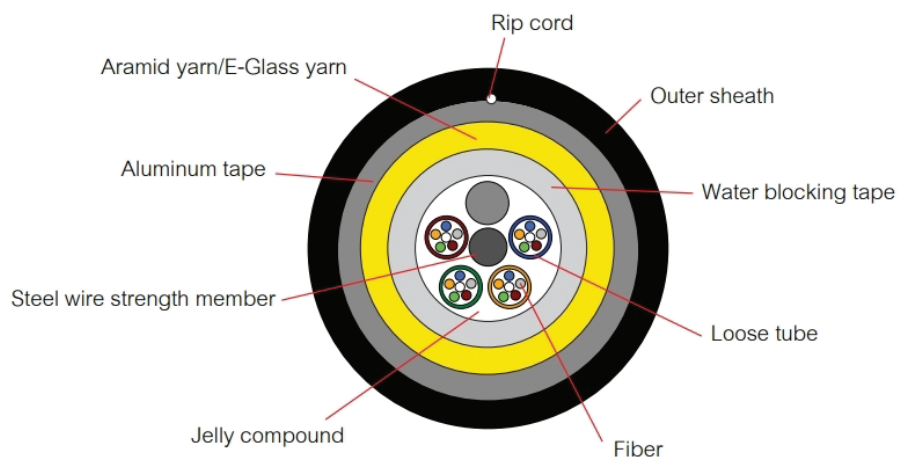
- Low attenuation, dispersion and special control of excess fiber length ensure excellent mechanical and envelopment properties.
- Filling compound and water block material validly prevent water penetration.
- Aramid yarns increase the tensile strength of cable

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



CABLE STRUCTURE AND PARAMETER

Item	Contents	Unit	Value					
Fiber count	Number	/	6~24	48	96	6~24	48	96
Fiber type	/	/	G652D					
Cable structure	/	/	1+6	1+6	1+8	1+6	1+6	1+8
Fibers per tube	Counts	/	6	12	12	6	12	12
Fibers color	/	/	Blue, orange, green, brown, gray, white, red, black, Yellow, Violet, Pink, Aqua					
Loose tube	Material	/	PBT					
	Nominal Diameter	mm	2.0	2.2	2.2	2.0	2.2	2.2
	Color	/	Blue, orange, green, brown, gray, white, red, black, Yellow, Violet, Pink, Aqua					
Central strength member	Material	/	FRP & PE cushion layer(when need)					
	Nominal Diameter	mm	2.0	2.2	3.0 & 3.8	2.0	2.2	3.0 & 3.8
	PE cushion	mm	-					
Water blocking	Material		Water blocking yam & tape					
Sheath	Material		HDPE			LSZH		
	Color		Black					
	Nominal Thickness	mm	1.6					
Attenuation (after Cable)	1310nm	dB/km	≤ 0.36					
	1550nm	dB/km	≤ 0.22					
Cable diameter	±5%	mm	9.6	10.2	11.8	9.6	10.2	11.8
Cable weight	±10%	kg/km	70	79	107	70	108	142

MAIN MECHANICAL & ENVIRONMENTAL PERFORMANCE

Item	Contents	Value
Max. tensile load	Short term	1500 N fiber strain ≤ 0.6%
Max. crush resistance	Short term	1000 N/100mm
	Long term	300 N/100mm
Min. bending radius	Installation	20x cable diameter
	Operation	12.5x cable diameter
	Operation	-30°C ~ +70°C
Temperature range	Installation	-50°C ~ +50°C
	Storage / transportation	-30°C ~ +70°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 ± 0.8
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-OD9

F-ML-OD9 - XX - XX - SJ
 |
 | 06
 | 12
 | 24
 | 48
 | 96

{ H = HDPE
 { LZ = LSZH