

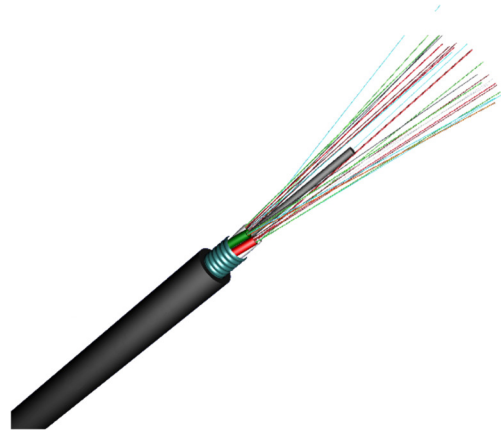
## 12/24 Core Outdoor Armored Fiber Cable

### APPLICATIONS

- It is ideal to be used in Structured Cabling System and LAN
- It is ideal to be used for Outdoor transmission
- It is built to withstand the tensile stresses present during installation by the contractor

### FEATURES

- With Central metal strength member
- Type: Stranded loose tube with steel tape shielding
- Each fiber is color coded for easy identification
- Ideal intra-building cable solution
- Flexible and easy to handle



### OPTICAL PROPERTIES

Fibre attributes					
Attribute	Detail	Value			Unit
Maximum attenuation	@ 1310 nm	0.38			dB/km
Maximum attenuation after hydrogen ageing	@ 1383 nm $\pm$ 3 nm	0.38			dB/km
Maximum attenuation	@ 1550 nm	0.25			dB/km
PMD coefficient	<i>M</i>	20			cables
	<i>Q</i>	0.01			%
	Maximum PMD <sub>Q</sub>	0.20			ps/km <sup>1/2</sup>
Mode field diameter	Wavelength	1 310			nm
	Range of nominal values	8.6-9.2			$\mu$ m
	Tolerance	$\pm$ 0.4			$\mu$ m
Cladding diameter	Nominal	125.0			$\mu$ m
	Tolerance	$\pm$ 0.7			$\mu$ m
Core concentricity error	Maximum	0.5			$\mu$ m
Cladding non-circularity	Maximum	1.0			%
Cable cut-off wavelength	Maximum	1260			nm
Uncabled fibre macrobending loss	Radius	15	10	7.5	mm
	Number of turns	10	1	1	
	Max. at 1550 nm	0.03	0.1	0.5	dB
	Max. at 1625 nm	0.1	0.2	1.0	dB
Norminal Refractive Index	@1310	1.467			
	@1550	1.468			
Proof stress	Minimum	0.69			GPa

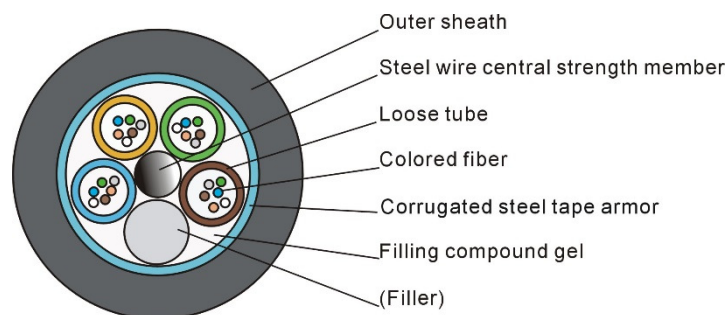
	$\lambda_{0min}$	1 300			nm
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Chromatic dispersion parameter 3-term Sellmeier fitting (1 260nm to 1 460 nm)	$\lambda_{0max}$	1 324	nm
	$S_{0min}$	0.073	ps/(nm <sup>2</sup> × km)
	$S_{0max}$	0.092	ps/(nm <sup>2</sup> × km)
Linear fitting (1 460 nm to 1 625 nm)	Min. at 1550 nm	13.3	ps/(nm × km)
	Max. at 1550 nm	18.6	ps/(nm × km)
	Min. at 1625 nm	17.2	ps/(nm × km)
	Max. at 1625 nm	23.7	ps/(nm × km)

### MECHANICAL PROPERTIES

Item	Contents	Value		Remarks
		12	24	
Loose tube	Number	2	4	
	Outer diameter (mm)	1.8	1.8	PBT
Filler	Number	3	2	Polypropylene
Fiber count per tube	G.657A2	6	6	
Central strength member	Material	Phosphating steel wire		
	Diameter (mm)	1.4	1.4	
	PE layer diameter (mm)	/	/	
Water Blocking Material	Material	Compound filling gel		
Armor	Material	PE coated corrugated steel tape		
Outer sheath	Material	MDPE		
	Color	Black		
	Thickness (mm)	Nominal: 1.8		
Cable diameter(mm) Approx.		9.6	9.6	
Cable weight(kg/km) Approx.		100	100	
<b>BEND RADIUS</b>	Static Bending	10D		
	Dynamic Bending	20D		
Operating Temperature		-40°C ~ +60°C		

### CABLE STRUCTURE



### ORDERING INFORMATION

Part No.	Description	Fiber Type
IB-12F-OA-SMA2	12Core Outdoor Armored Fiber cable	Singlemode OS2
IB-24F-OA-SMA2	24Core Outdoor Armored Fiber cable	Singlemode OS2