

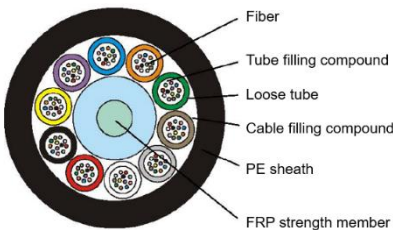
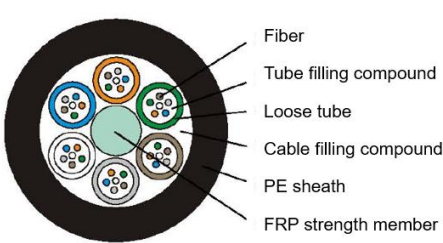
Applications

Prose indoor/outdoor Non-Metal Armored fiber optic cable are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A Fiber Reinforced Plastic (FRP) locates in the center of core as a non-metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular core. After the cable core is filled with the filling compound to protect it from water ingress, the cable is completed with a PE/LSZH sheath.

Feature/Characteristic

- Good mechanical and temperature performance;
- High strength loose tube that is hydrolysis resistant;
- Special tube filling compound ensure a critical protection of fiber;
- Crush resistance and flexibility;
- Single Fiber Reinforced Plastic as the central strength member;

Profile/Outline



Optical Parameters

Fiber Type		Single-mode G652D (1310/1550nm)	Single-mode G657A1 (1310/1550nm)	Single-mode G657A2 (1310/1550nm)
Attenuation(dB)	Typical	0.36/0.22	0.36/0.22	0.36/0.22
	Maximum	0.5/0.4	0.5/0.4	0.5/0.4
Zero Dispersion Slope		≤0.091 ps/km·nm ²	≤0.092 ps/km·nm ²	≤0.092 ps/km·nm ²
Dispersion(1285~1340nm)		-3.5 – 3.5ps/(nm·km)	-3.5 – 3.5ps/(nm·km)	-3.5 – 3.5ps/(nm·km)
Mode field Diameter (@1310nm)		9.1±0.4 μm	8.8±0.4 μm	8.8±0.4 μm
Cutoff wavelength cable(nm)		≤1260 nm	≤1260 nm	≤1260 nm
Min bend radius(mm)		16mm	10mm	7.5mm
Cladding diameter(μm)		125±1.0	125±1.0	125±1.0

Fiber Type		Multi-mode (62.5/125μm) (850/1300nm)	Multi-mode (50/125μm) (850/1300nm)	Multi-mode OM3 (850/1300nm)	Multi-mode OM4 (850/1300nm)	Multi -mode OM5 (850/953nm/1300nm)
Attenuation(dB)	Typical	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/-/1.0
	Maximum	3.5/1.5	3.5/1.5	3.5/1.5	3.5/1.5	3.5/-/1.5
Bandwidth (MHz·km)		≥200/≥500	≥500/≥500	≥1500/≥500	≥3500/≥500	≥3500/≥1850/≥500
Effective modal bandwidth		----/----	----/----	≥2000/----	≥4700/----	≥4700/2470/----
10 Gigabit Ethernet SX (MHz·km)		----/----	----/----	≤300/----	≤550/----	----/----/----
40GBASE- SR4/100GBASE-SR10		----/----	----/----	----/----	----/----	200M @850nm
Min bend radius(mm)		30	30	7.5	7.5	7.5
Cladding diameter(μm)		125±1.0	125±1.0	125±1.0	125±1.0	125±1.0

Mechanical Parameters

Items		Request
Tensile Strength, N(Maximum Tubes 6)	Short-term	1000
	Long-term	400
Tensile Strength, N(Maximum Tubes 7)	Short-term	1500
	Long-term	600
Tensile Strength, N(Maximum Tubes 12)	Short-term	3000
	Long-term	1000
Crush Resistance, N/100mm	Short-term	1000
	Long-term	300
Bending Radius, mm	Static	10D
	Dynamic	20D
Operation temperature		-40°C to +70°C
Storage temperature		-40°C to +70°C

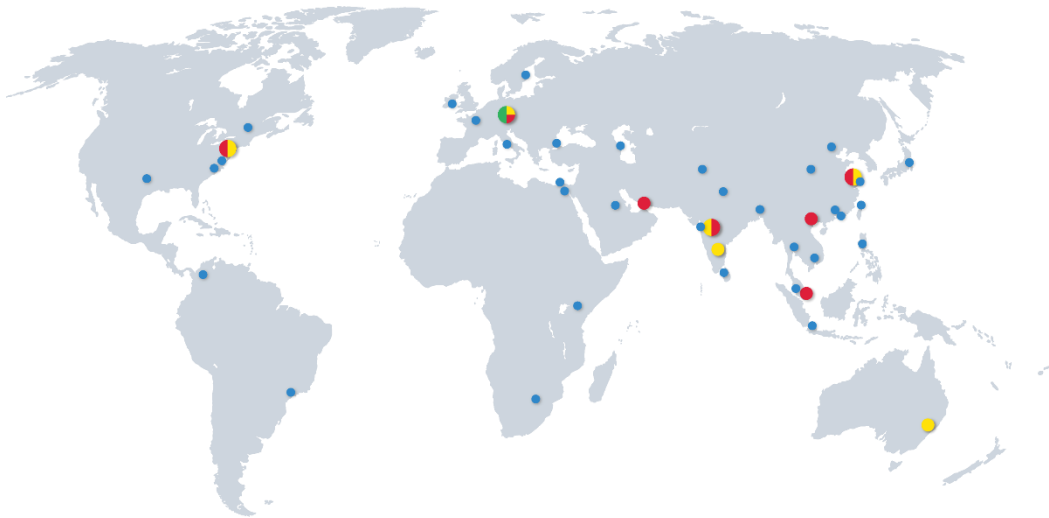
Ordering Information

Category	Cable Structure	Fiber Type	Outer Sheath Material	Fiber Count
FC: Fiber Cable	08: Indoor/Outdoor, Non-Metal Armored, Stranded (24-144F)	GD: SM G652D M3: MM OM3 M4: MM OM4 M5: MM OM5	2: LSZH 60332-1 3: PE	012:12F 024:24F 048:48F 072:72F

For Example:

Order Number	Fiber count	Description
FC08-GD2024	24	Cable, Indoor/Outdoor, Non-Metal Armored, Stranded, 24F, SM G652D, LSZH
FC08-M32024	24	Cable, Indoor/Outdoor, Non-Metal Armored, Stranded, 24F, MM OM3, LSZH
FC08-M42048	48	Cable, Indoor/Outdoor, Non-Metal Armored, Stranded, 48F, MM OM4, LSZH
FC08-GD3024	24	Cable, Indoor/Outdoor, Non-Metal Armored, Stranded, 24F, SM G652D, PE
FC08-M33024	24	Cable, Indoor/Outdoor, Non-Metal Armored, Stranded, 24F, MM OM3, PE
FC08-M43048	48	Cable, Indoor/Outdoor, Non-Metal Armored, Stranded, 48F, MM OM4, PE

GLOBAL FOOTPRINT



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