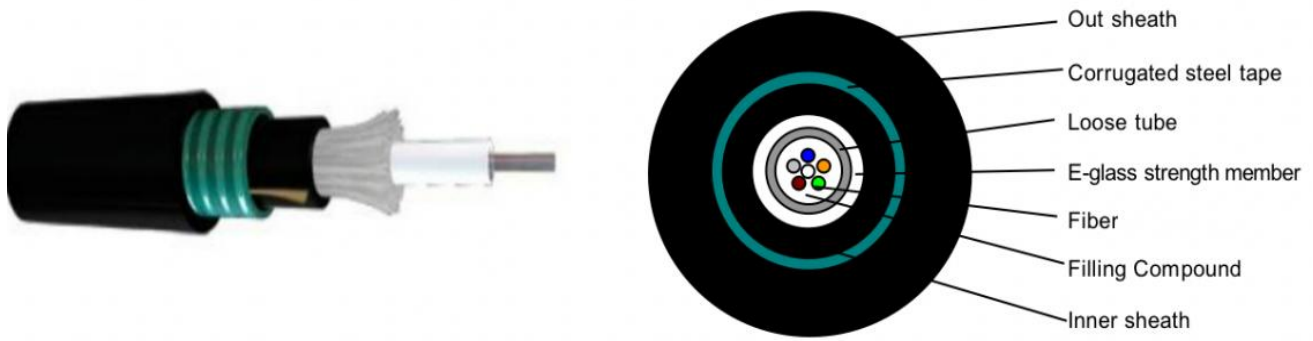


1. Cable structure:



2.Cable construction details :

Items		Description
Number of fiber		6 F
Loose tube	Material	PBT
	Color	Natural
	Tube filling compound	Jelly
	Diameter	2.2±0.1mm
Strength member	Material	E-glass
Innter sheath	Diameter	4.5mm± 0.2mm
	Material	PE
	Color	Black
Armoring	material	Corrugated steel tape
Outer sheath	Diameter	8.5mm±0.4mm
	Material	PE
	Color	Black
Installation Temperature range (°C)		-20+70
Operation and transport temperature (°C)		-20+70
Min Bending Radius(mm)	Long term	10D
Min BendingRadius(mm)	Short term	20D
Tensile Strength(N)	Long term	500
Tensile Strength(N)	Short term	1000

Crush Load (N/100mm)	Long term	1000
Crush Load (N/100mm)	Short term	2000

3. Standard color of Fiber

Fiber color	1	2	3	4	5	6
	Blue	Orange	Green	Brown	Grey	White

4. Fiber characteristic OM3

Characteristics	Conditions	Specified Values	Units
Geometry Characteristics			
Core Diameter	-	50±2.5	[μm]
Core Non-Circularity	-	≤5.0	[%]
Cladding Diameter	-	125.0±1.0	[μm]
Cladding Non-Circularity	-	≤0.6	[%]
Coating Diameter	-	245±7	[μm]
Coating/Cladding Concentricity Error	-	≤10.0	[μm]
Coating Non-Circularity	-	≤6.0	[%]
Core/Cladding Concentricity Error	-	≤1.0	[μm]
Optical Characteristics			
Attenuation	850nm	≤2.4	[dB/km]
	1300nm	≤0.6	[dB/km]
-	-	MaxBand® OM2+/OM3/OM4 Bend Insensitive	
Overfilled Modal Bandwidth	850nm	≥700/≥1500/≥3500	[MHz · km]
	1300nm	≥500/≥500/≥500	[MHz · km]
Effective Modal Bandwidth	850nm	≥950/≥2000/≥4700	[MHz · km]
Application support distance on	-	-	-
40GBASE-SR4/100GBASE-SR10 ¹	850nm	-/140/170	[m]
10GBASE-SR	850nm	150/300/550	[m]
1000BASE-SR	850nm	750/1000/1100	[m]
DMD Specification	Compliant with and more stringent than the requirements of IEC60793-2-10		-
Numerical Aperture	-	0.200±0.015	-
Group Refractive Index	850nm	1.482	-
	1300nm	1.477	-
Zero Dispersion Wavelength, λ ₀	-	1295~1340	[nm]
Zero Dispersion Slope S ₀	1295nm ≤ λ ₀ ≤ 1310nm	≤0.105	[ps/(nm ² · km)]

Zero Dispersion Slope, D_0	$1310\text{nm} \leq \lambda_0 \leq 1340\text{nm}$	$\leq 0.000375(1590 - \lambda_0)$	[ps/(nm ² · km)]
Macrobending Loss	-	-	-
2 Turns @ 15mm Radius	850nm	≤ 0.1	[dB]
	1300nm	≤ 0.3	[dB]
2 Turns @ 7.5mm Radius	850nm	≤ 0.2	[dB]
	1300nm	≤ 0.5	[dB]
Backscatter Characteristics			
1300nm			
Step (Mean of Bidirectional Measurement)	-	≤ 0.10	[dB]
Irregularities Over Fibre Length and Point Discontinuity	-	≤ 0.10	[dB]
Attenuation Uniformity	-	≤ 0.08	[dB/km]
Environmental Characteristics			
850nm & 1300nm			
Temperature Cycling	-60°C to 85°C	≤ 0.10	[dB/km]
Temperature-Humidity Cycling	-10°C to 85°C, 10% to 98% RH	≤ 0.10	[dB/km]
Water Immersion	23°C, 30 days	≤ 0.10	[dB/km]
Dry Heat	85°C, 30 days	≤ 0.10	[dB/km]
Damp Heat	85°C, 85% RH, 30 days	≤ 0.10	[dB/km]
Mechanical Specification			
Proof Test	-	≥ 9.0	[N]
	-	≥ 1.0	[%]
	-	≥ 100	[kps]
Coating Strip Force	typical average force	1.5	[N]
	peak force	$\geq 1.3, \leq 8.9$	[N]
Dynamic Stress Corrosion Susceptibility Parameter (n , typical)	-	20	-

The cable sheath shall be marked with white characters according to customer's requirement.