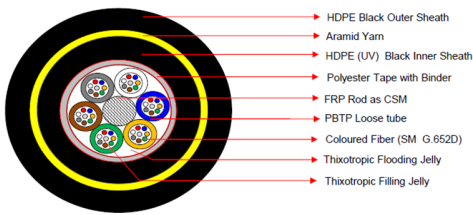


**24F SM (G.652.D)MLT(T6x4F)WITH GELL,DJ,HDPE,UNARMoured,ADSS, Optical Fiber Cable**



**Product Details:**

24F Multitube Double Jacket HDPE, ADSS Unarmoured Cable can installed short and medium. Polyester tape with Binder core wrapped. Thixotropic filling jelly inside the core HDPE jacket provided cable mechanical and environment protection, this cable is suitable for Arial and duct application. Span Length 100M.

Photo for References

DESCRIPTION [UNIT]	VALUE/VALUE RANGE
Standard	ISO/IEC 11801; ISO IEC 11801: 2002; ITU-T G.652.D, IEC 60793- 50:2004, B 1.3 IEC 60794-1-2 E1; IEC 60794-1-2 E3; IEC 60794-1-2 E4; IEC 60794-1-2 E4; IEC 60794-1-2 E7; IEC 60794-1-2 E10.
Cable class	Multitube
Fiber type, Class/ conductor diameter	Single Mode (SM), OS2.9/125µm
Central Strength Member(mm)	FRP (Fiber Reinforced Plastic)2.0(Nominal)
No of Rip cords	1nos, provided below the outer sheath
No.of fiber per Tube	24F
Loose tube Diameter mm	1.9±0.1mm
Loose tube material	PBTP
Loose tube Gel	Thixotropic filling Gel
No.of Tube/Fiber	6T/4F
Peripheral Strength member	Aramid Yarn inner sheath.
Core wrapping	Polyester Tape.
Inner Sheath	HDPE,(UV), Black, 1.5(Nominal) mm
Outer Sheath	HDPE,(UV), Black, 1.8(Nominal) mm
Cable overall diameter	13.8mm (Nominal)
Max Tensile strength,	4000N@0.25%Fiber strains
Min. Bend Radius	20D (Diameter of Cable)
Crush Resistance	2000N/100mm
Water Penetration Test	1m waterhead, 3m samples, 24 hrs (Over Core)
Operation temperature	-20° C to +70° C
Cable Drum Size(KM)	2KM ± 10%
Cable weight(Kg/KM)	145±5%

**24F SM (G.652.D)MLT(T6x4F)WITH GELL,DJ,HDPE,UNARMoured,ADSS, Optical Fiber Cable**

This enhanced Single mode fiber provides improved performance across the entire 1260 nm to 1625 nm wavelength spectrum due to its low attenuation in 1383 nm the water-peak region. The fiber design is matched cladding.

**Specification:**

Standards and norm	This fiber fulfil the requirements	when cabled, the fiber fulfil the requirement for use
standards:	<ul style="list-style-type: none"> <li>• IEC 60793-2-50 Category B.1.3</li> <li>• EN 60793-2-50: Class B1.3</li> <li>• ITU Recommendation G.652.D</li> </ul> The older ITU designations A, B and C are also fulfilled	in a number system among them is. EN 50 173-1: 2002, cat. OS1 + OS2 ISO/IEC 11801: 2002, cat. OS1 + OS2 IEEE 802.3 - 2002 incl. 802.3ae.
	<ul style="list-style-type: none"> <li>• IEC 60793-1-XX: 2002</li> <li>• EN 60793-1-XX: 2002</li> </ul>	Testing methods are in accordance with the following
Core	The core is germanium doped.	
Coating	The fibre coating is dual layer UV curable acrylate.	
Optical properties	Attenuation (of cable with fibers): In the range 1310 nm - 1625 nm: At 1310 nm: ≤ 0.38 dB/km  At 1550 nm: ≤ 0.25 dB/km	In homogeneity of OTDR trace for any two 1000-meter fiber lengths Max.: 0.1 dB/km Group index of refraction:  At 1310 / 1550 / 1625 nm 1.467

**Dimensional and mechanical properties**

Property	Value	Standard
Cladding diameter (µm)	125.0 ± 0.7	IEC/EN 60793-1-20
Cladding non-circularity (%)	≤ 1%	IEC/EN 60793-1-20
Core (MFD) non-circularity (%)	≤ 6	IEC/EN 60793-1-20
Core (MDF) -cladding concentricity error (µm)	≤ 0.5	IEC/EN 60793-1-20
Primary coating diameter - uncolored (µm)	242 ± 7	IEC/EN 60793-1-21
Primary coating diameter - colored (µm)	250 ± 15	IEC/EN 60793-1-21
Primary coating non-circularity (%)	≤ 5	IEC/EN 60793-1-21
Primary coating-cladding concentricity error (µm)	≤ 12.0	IEC/EN 60793-1-21
Proof stress level (GPa)	≥ 0.7 (≈ 1 %)	IEC/EN 60793-1-30
Strip force (peak) (N)	1.0 ≤ F peak. Strip ≤ 8.9	IEC/EN 60793-1-32
Chromatic dispersion coefficient:		IEC/EN 60793-1-42
In the interval 1285 nm – 1330 nm (ps/km • nm)	≤   3.5 ps/nm.km	
At 1550 nm (ps/km • nm)	≤ 18.0 ps/nm.km	
At 1625 nm (ps/km • nm)	≤ 22.0	
Zero dispersion wavelength, λ <sub>0</sub> (nm)	1312 ± 10	
Zero dispersion slope (ps/ (nm <sup>2</sup> • km))	≤ 0.092 ps/nm <sup>2</sup> .km	
Cut-off wavelength (λ <sub>c</sub> nm)	High limit: 1330 Low limit: 1150	IEC/EN 60793-1-44
Cut-off wavelength (λ <sub>cc</sub> nm)	≤ 1260	
Mode field diameter at 1310 nm (µm)	9.2 ± 0.4	IEC/EN 60793-1-45
Mode field diameter at 1550 nm (µm)	10.3 ± 0.5	
Macro bending loss at 1550 nm, 100 turns on a ø 60 mm mandrel (dB)	≤ 0.05	IEC/EN 60793-1-47
Polarisation mode dispersion (PMD) coefficient, cabled (ps/√km)	≤ 0.5	IEC/EN 60793-1-48
PMD <sub>Q</sub> Link Design Value (ps/√km)	≤ 0.2	IEC/EN 60794-3