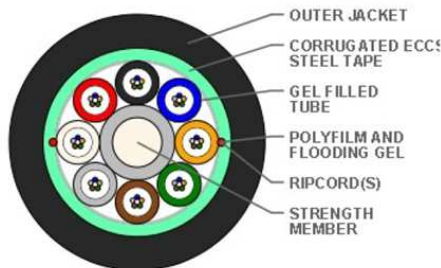


Product information**R195237****48, SM, OS2,MLT, (T8X6F)Outdoor, Corrugated ECCS Tape Armored with Gel filled – UV Proof HDPE Fiber cable****Product Details:**

The outdoor cable for applications in harsh conditions. It contains an MLT Polyfilm Flooding gel. Gel filled loose tube of a diameter of 2.2 mm. Metallic Armoring Corrugated ECCS tape Suitable for harsh environment, LAN and WAN application, Outer sheath HDPE.
 Sheath: UV Proof PE, black.
 Fiber: single mode (SM) E9/125

Similar product**Technical Data**

DESCRIPTION [UNIT]	VALUE/VALUE RANGE
Standard	ISO/IEC 11801:2002 ITU-T G.652.D IEC 60793-2-50:2004, B 1.3; IEC 60794-1-2 E4; IEC 60794-1-2 E6; IEC 60794-1-2 E7; IEC 60794-1-2 E10; IEC 60794-1-2 E11; IEC 60794-1-2 F1.
Cable class	Multi Loose Tube
Fiber / conductor diameter	E9/125µm
Fiber type, Class	Single mode (SM), G.652.D
No of Fibers	6F
No of Rip cords	2,Nos
No if Tubes	8T, PBT.
Core warping & water Blocking element	Polyester Tape & Flooding Gel.
Strength member	FRP
Metallic Armoring	Corrugated ECCS Tape
Cable jacket material	UV Proof HDPE
Sheath Thickness	Nominal 1.6mm
Tube color	Blue, Orange,Green,Brown,Slate,white,Red,Black
Fiber Color	Blue, Orange,Green,Brown,Slate,white
Cable overall diameter	13.0 ± 1mm
Water Penetration	1M water head ,3msample, 24H
Tensile strength,	3200N – Short Term, 2000 N Long term.
Crush Resistance	2500N/100mm
Impact Strength (Nm)	10(Nm)
Torsion	± 180°
Bending diameter(Dynamic)	During Installation: 20D
Installation Temperature	-10° C to +60° C.
Operation temperature	-20° C to +70° C.
Storage temperature	-40° C to +70° C.
Weight	160±10%
Length (meter)	2000±10%

Product information**R195237****48, SM, OS2,MLT, (T8X6F)Outdoor, Corrugated ECCS Tape Armored with Gel filled – UV Proof HDPE Fiber cable**

This enhanced Single mode fibre 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 fibre design is matched cladding.

Specification:

Standards and norm	This fibre fulfil the requirements	When cabled, the fiber fulfil the requirement for use
following standards:	<ul style="list-style-type: none"> • IEC 60793-2-50 Category B.1.3 • EN 60793-2-50: Class B1.3 • ITU Recommendation G.657.A.1 The older ITU designations A, B and C are also fulfilled • IEC 60793-1-XX: 2002 • EN 60793-1-XX: 2002 	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. Testing methods are in accordance with the
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 ≤ 0.36 dB/km At 1550 nm: ≤ 0.23 dB/km At 1625 nm: ≤ 0.26 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)	245 ± 10	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 ($\approx 1\%$)	IEC/EN 60793-1-30
Strip force (peak) (N)	$1.0 \leq F_{\text{peak}}$. 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)	$\leq 3.5 $	
At 1550 nm (ps/km • nm)	≤ 18.0	
At 1625 nm (ps/km • nm)	≤ 22.0	
Zero dispersion wavelength, λ_0 (nm)	1312 ± 10	
Zero dispersion slope (ps/ (nm ² • km))	≤ 0.092	
Cut-off wavelength (λ_c nm)	High limit: 1330 Low limit: 1150	IEC/EN 60793-1-44
Cut-off wavelength (λ_{cc} 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 \varnothing 60 mm mandrel (dB)	≤ 0.05	IEC/EN 60793-1-47
Polarization mode dispersion (PMD) coefficient, cabled (ps/ $\sqrt{\text{km}}$)	≤ 0.5	IEC/EN 60793-1-48
PMD _Q Link Design Value (ps/ $\sqrt{\text{km}}$)	≤ 0.2	IEC/EN 60794-3