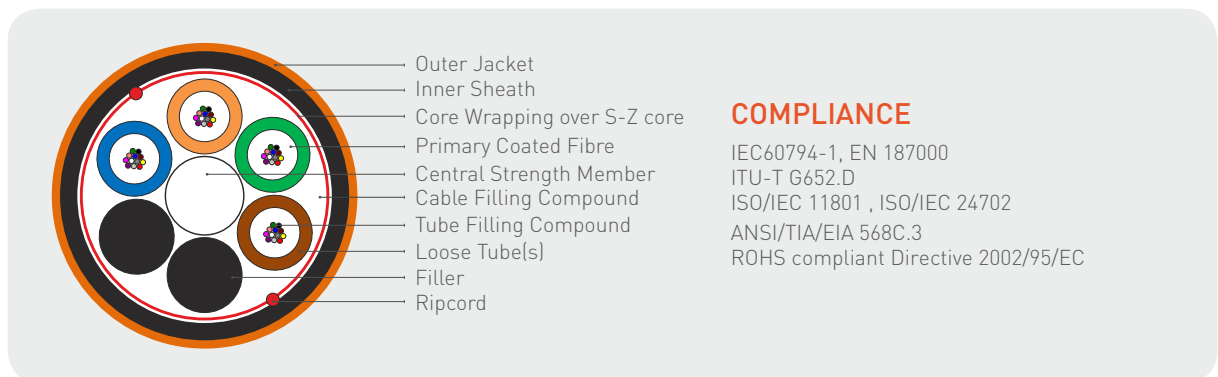
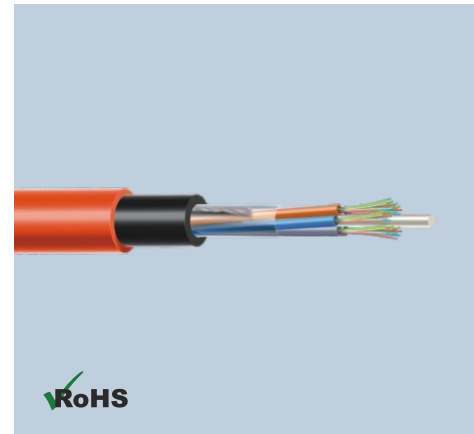


# MULTI-TUBE DOUBLE SHEATH UNARMoured FIBRE OPTIC CABLE

The cable is constructed with FRP Central Strength Member and PBT Loose tube with jelly filled compound. Non metal strength gives an excellent anti- electromagnet ability. S-Z core wrapped with polyester tape which gives excellent water and moisture resistance. The cable has double sheath, UV Stabilized HDPE inner sheath and PA-12 outer sheath which is Insect & termite resistant. This cable is suitable for external duct installation, pulled & blown



## CONSTRUCTION

Primary Coated Fibre	Single Mode- G652D
Tube Filling Compound	Thixotropic Jelly
Loose Tube(s)	PBTP
Central Strength Member	FRP Rod
Cable Filling Compound	Thixotropic Jelly
Core Wrapping over S-Z core	Polyester Tape
Inner Sheath	HDPE black
Outer Jacket	PA 12 Orange
Ripcords	2 no.s below the Sheath
Filler	PE Black

## MECHANICAL, OPTICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Short Term	Long Term
Max. Tensile Load	1500 N	750 N
Max. Crush Load	2000 N/100 mm	1000 N/100 mm
Operating Temp.	-20°C to +70°C	
Storage Temp.	-20°C to +70°C	
Impact Resistance	10 Nm	

# MULTI-TUBE DOUBLE SHEATH UNARMoured FIBRE OPTIC CABLE

## OPTICAL CHARACTERISTICS

Parameter	λ(nm)	G.652D
Attenuation Coefficient Cable Average (dB/Km)	1310	≤ 0.35
Attenuation Coefficient Cable Average (dB/Km)	1550	0.20
Attenuation Coefficient, Cable Max (dB/Km)	1550	≤ 0.22
Chromatic Dispersion (ps/nm·km)	1285-1330	≤ 3.5
Chromatic Dispersion (ps/nm·km)	1550	≤ 18
Mode Field Diameter (mm)	1310	9.2 ± 0.4
Mode Field Non-circularity error	-	≤ 6%
Cladding Non-circularity error	-	≤ 7%
C.C.E (mm)	-	≤ 0.5
Cable Cutoff Wavelength	-	≤ 1260
Cladding Diameter (mm)	-	125 ± 0.3
Coating Diameter (mm)	-	245 ± 10

## ANSI/TIA/EIA-598-B STANDARD FIBRE COLOR CODE

Fibre Number	Fibre Color	Fibre Number	Fibre Color
Fibre 1	Blue	Fibre 7	Red
Fibre 2	Orange	Fibre 8	Black
Fibre 3	Green	Fibre 9	Yellow
Fibre 4	Brown	Fibre 10	Violet
Fibre 5	Slate	Fibre 11	Rose
Fibre 6	White	Fibre 12	Aqua

## ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	No. of Filler	Cable Weight (kg/km)	Bend Radius	
					Short (mm)	Long (mm)
3150-91012FXXCL	12	9.2	5	74	20D	10D
3150-91024FXXCL	24	9.2	4	74	20D	10D
3150-91036FXXCL	36	9.2	3	74	20D	10D
3150-91048FXXCL	48	9.2	2	74	20D	10D
3150-91072FXXCL	72	9.6	0	80	20D	10D

# MULTI-TUBE DOUBLE SHEATH UNARMoured FIBRE OPTIC CABLE

## ORDERING GUIDE

Cable Type	Jacket	Fibre/ Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
3150	1 = PVC 2 = LSZH 3 = PE 9 = PA	1 = 12F/T 2 = 08 F/T 3 = 06 F/T 4 = 04 F/T	No. of Fibre	OM1 = 62.5/125 OM1 OM2 = 50/125 OM2 OM3 = 50/125 OM3 OM4 = 50/125 OM4 OS1 = 9/125 (G652.B) OS1 OS2 = 9/125 (G652.D) OS2 500 = 9/125 (G655) OS2 7A1 = 9/125 (G657.A1) Os2 7A2 = 9/125 (G657.A2) OS2	As noted

CL: BK(Black), OR(Orange), YL(Yellow), GN(Green), AQ(Aqua), RD(Red), BL(Blue)

\* \* Default value of Fibre Per Tube is "1" as per the ordering information, Follow the ordering guide for any other Specific customized fibre per tube requirement. '

## PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (cm)
3150-91012FXXCL	2500 x 1	Wooden Drum	185	235	105 x 105 x 55
3150-91024FXXCL	2500 x 1	Wooden Drum	185	235	105 x 105 x 55
3150-91036FXXCL	2500 x 1	Wooden Drum	185	235	105 x 105 x 55
3150-91048FXXCL	2500 x 1	Wooden Drum	185	235	105 x 105 x 55
3150-91072FXXCL	2500 x 1	Wooden Drum	200	250	105 x 105 x 55