

# CENTRAL LOOSE TUBE FRP STRENGTH FIBRE OPTIC CABLE

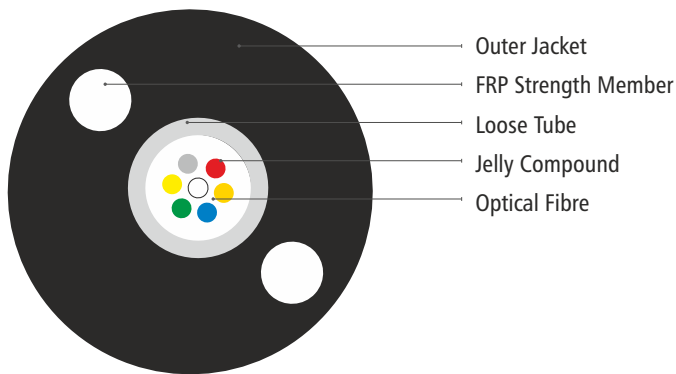


## PRODUCT OVERVIEW

Non metallic FRP strength members in the cable give it good tensile strength and electro- magnetic protection. It has a small diameter, light weight and thicker wall PE protection, allowing for use in versatile applications. It can be used in cable assemblies, external distribution and transmission and places of high electro-magnetic interferences.

Single jelly compound filled loose tube containing up to 12 fibres. PE sheath protects cable from ultraviolet radiation and heat hence it can be used for external applications. The cable is suitable for ducts and aerial applications for service drop cable, building interconnection in campus LAN, distribution and trunk cables.

## CABLE DESIGN



## COMPLIANCE

- ITU-T G652.B OS1
- ITU-T G652.D/G655/G657.A1/G657.A2 OS2
- ITU-T G651.1 OM1 OM2 OM3 OM4
- IEC60793-2-10 type A1a.1/A1b OM1/OM2
- IEC60793-2-10 type A1a.2 OM3
- IEC60793-2-10 type A1a.3 OM4
- ISO/IEC 11801 , ISO/IEC 24702
- IEEE 802.3z Gigabit Ethernet
- ANSI/TIA/EIA 568C.3
- RoHS Compliant Directive 2002/95/EC
- LSZH: IEC 60332-1, IEC 60754, IEC 61034

## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Short Term	Long Term
Max. Tensile Load	1500 N	600 N
Max. Crush Load	1000 N/100 mm	300 N/100mm
Operating Temp.	-20°C to +60°C	
Storage Temp.	-40°C to +85°C	
Sheath Material	Standard: PE Optional: LSZH, PVC or other	

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## ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	Loose Tube Diameter (mm)	Cable Weight (Kg/Km)	Bend Radius	
					Short (mm)	Long (mm)
AFC14U0040S243X	4	7.2	2.3	65.0	20D	10D
AFC14U0060S233X	6	7.2	2.3	65.0	20D	10D
AFC14U0080S223X	8	7.2	2.3	65.0	20D	10D
AFC14U0120S213X	12	8.0	2.5	80.0	20D	10D

## ORDERING GUIDE

Cable Type	Fibre Count	Fibre Type (FXX)	Fibre/Tube	Jacket	Jacket Colour (X)
AFC14U	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	1=12 F/T 2=08 F/T 3=06 F/T 4=04 F/T	1=PVC 2=LSZH 3=PE	As noted

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

## PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
AFC14U0040S243X	2500 x 1	Wooden Drum	162.0	187.0	800 x 800 x 570
AFC14U0060S233X	2500 x 1	Wooden Drum	162.0	187.0	800 x 800 x 570
AFC14U0080S223X	2500 x 1	Wooden Drum	162.0	187.0	800 x 800 x 570
AFC14U0120S213X	2500 x 1	Wooden Drum	200.0	225.0	800 x 800 x 570