

CENTRAL LOOSE TUBE ARMoured EXTERNAL CABLE MDPE

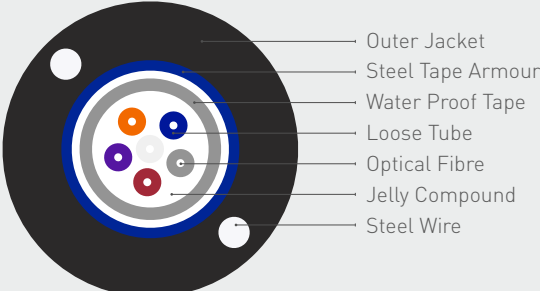


These cables are constructed with a central tube filled with water blocking jelly, water blocking tape over the tube giving it excellent water and moisture resistance. A corrugated steel armouring and two steel wires strengthening within the outer MDPE sheath give this cable excellent tensile strength, mechanical and environmental protection.

They have a small diameter, is light weight and is installation friendly since they come in a single tube with loose tube fibre count up to 12 fibres. Their compact construction protect the loose tube from shrinking, the Armour makes it crush, rodent and impact resistant, the water proofing tape and jelly protects it from water and moisture, the outer MDPE sheath gives it ultraviolet protection.

This cable is suitable for external distribution through ducts, conductor aerial pipe lines





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
 IEC60794
 ISO/IEC 11801 , ISO/IEC 24702
 IEEE 802.3z Gigabit Ethernet
 ANSI/TIA/EIA 568.3-D
 ROHS compliant Directive 2002/95/EC

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Short Term	Long Term
Max. Tensile Load	2000 N	1000 N
Max. Crush Load	1000 N/100 mm	300 N/100 mm
Operating Temp.	-20 °C to +60 °C	
Storage Temp.	-40 °C to +85 °C	
Sheath Material	Medium Density Polyethylene (MDPE)	

OPTICAL CAHRACTERISTICS

Fibre Type	Max. Attenuation (dB/km)				Min. Overfill Launch Bandwidth (Mhz*km)		Min. Gigabit Ethernet Link Distance (m)		
							Gigabit		10 Gigabit
	850nm	1300nm	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
OM 1 62.5/125µm	≤2.7	≤0.6	-	-	≥ 200	≥ 600	275	550	-
OM 2 50/125 µm	≤2.5	≤0.7	-	-	≥ 500	≥ 500	550	550	-
Om3 50/125µm	≤2.3	≤0.6	-	-	≥ 1500	≥ 500	1000	600	300
OM 4 50/125 µm	≤2.3	≤0.6	-	-	≥3500	≥ 500	1000	600	550
Os1 9/125 µm	-	-	≤0.34	≤0.20	-	-	-	-	-
Os2 9/125 µm	-	-	≤0.34	≤0.24	-	-	-	-	-

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AN SI/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)	Loose Tube Diameter (mm)	Cable Weight (kg/km)	Bend Radius	
					Short (mm)	Long (mm)
3106-31002FXXCL AR	2	8.5	2.3	90.0	20D	10D
3106-31004FXXCL AR	4	8.5	2.3	90.0	20D	10D
3106-31006FXXCL AR	6	8.5	2.3	90.0	20D	10D
3106-31008FXXCL AR	8	8.5	2.3	90.0	20D	10D
3106-31012FXXCL AR	12	9.0	2.5	100.0	20D	10D

ORDERING GUIDE

Cable Type	Jacket	No. of Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)	Armouring
3106	1=PVC 2=LSZH 3=PE	1	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	AR

CL: 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)
3106-31002FXXCL AR	2500 x 1	Wooden Drum	225.0	250.0	800 x 800 x 570
3106-31004FXXCL AR	2500 x 1	Wooden Drum	225.0	250.0	800 x 800 x 570
3106-31006FXXCL AR	2500 x 1	Wooden Drum	225.0	250.0	800 x 800 x 570
3106-31008FXXCL AR	2500 x 1	Wooden Drum	225.0	250.0	800 x 800 x 570
3106-31012FXXCL AR	2500 x 1	Wooden Drum	250.0	275.0	800 x 800 x 570