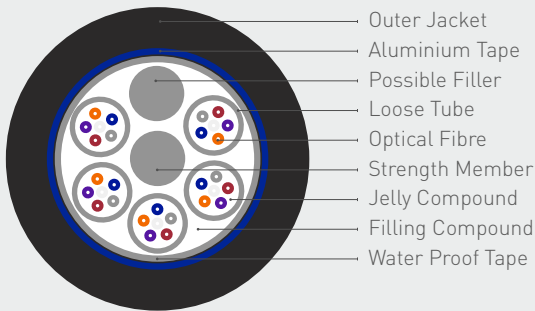


# ALUMINIUM LONGITUDINAL LAYER STRANDED OPTICAL CABLE

These cables are constructed with multiple tubes filled with water blocking jelly with a fibre count up to 144 fibre strands. They form the backbone of high speed networks and give flexibility and versatility to networks. They give flexibility Versatility to networks and can be used for direct burial applications.

Metallic / Non metallic FRP strength members in the cable give it good tensile strength, water blocking jelly in the tube and tape over the tube give it excellent water and moisture resistance. An Aluminium tape and PE outer sheath give this cable excellent mechanical, ultraviolet and environmental protection.

They come in larger delivery length, so can also be used in long distance communication system, building interconnections, trunk lines, LAN and distribution networks.



## 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

## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Short Term	Long Term
Max. Tensile Load	3000 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	Standard: PVC Optional: LSZH, PE or other	

# ALUMINIUM LONGITUDINAL LAYER STRANDED OPTICAL CABLE

## ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	Loose Tube Diameter (mm)	Cable Weight (kg/km)	Bend Radius	
					Short (mm)	Long (mm)
3112-31004FXXCL	4	10.2	5	95.0	20D	10D
3112-31006FXXCL	6	10.2	5	95.0	20D	10D
3112-31008FXXCL	8	10.2	5	95.0	20D	10D
3112-31012FXXCL	12	10.2	5	95.0	20D	10D
3112-31024FXXCL	24	10.2	5	102.0	20D	10D
3112-31036FXXCL	36	10.2	5	103.0	20D	10D
3112-31048FXXCL	48	11.2	6	115.0	20D	10D
3112-31072FXXCL	72	12.5	6	126.0	20D	10D
3112-31096FXXCL	96	14.5	8	185.0	20D	10D
3112-31144FXXCL	144	18.3	12	273.0	20D	10D

## ORDERING GUIDE

Cable Type	Jacket	Fibre/ Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
3112	1=PVC 2=LSZH 3=PE	1=12 F/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)

## PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
3112-31004FXXCL	2500 x 1	Wooden Drum	237.0	262.0	800 x 800 x 570
3112-31006FXXCL	2500 x 1	Wooden Drum	237.0	262.0	800 x 800 x 570
3112-31008FXXCL	2500 x 1	Wooden Drum	237.0	262.0	800 x 800 x 570
3112-31012FXXCL	2500 x 1	Wooden Drum	237.0	262.0	800 x 800 x 570
3112-31024FXXCL	2500 x 1	Wooden Drum	255.0	280.0	800 x 800 x 570
3112-31036FXXCL	2500 x 1	Wooden Drum	257.0	282.0	800 x 800 x 570
3112-31048FXXCL	1000 x 1	Wooden Drum	115.0	140.0	800 x 800 x 570
3112-31072FXXCL	1000 x 1	Wooden Drum	126.0	151.0	800 x 800 x 570
3112-31096FXXCL	1000 x 1	Wooden Drum	185.0	210.0	800 x 800 x 570
3112-31144FXXCL	1000 x 1	Wooden Drum	273.0	298.0	800 x 800 x 570