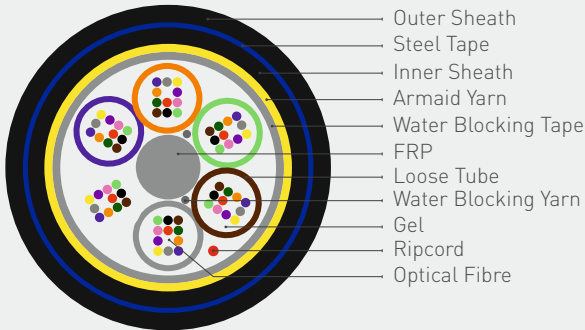


# DOUBLE JACKET ARAMID YARN STRENGTH STEEL TAPE ARMoured OPTICAL CABLE

These cables are constructed with multiple tubes filled with water blocking Gel with a fibre count up to 144 fibre strands. They form the backbone of high speed networks and give flexibility and versatility to Non metallic GRP strength members in the cable give it good tensile strength, water blocking gel in the tube, and super absorbent polymer tape over the tube gives it excellent water, rodent and moisture protection resistance. A corrugated steel armouring, aramid yarn and two PE sheath gives this cable excellent tensile strength, mechanical, rodent, 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  
 IEC 187 000, IEC 60794-3, IEC 60794-3-10  
 ANSI/TIA/EIA 568.3-D  
 ROHS compliant Directive 2002/95/EC

## CONSTRUCTION

Central strength member	2.5 mm FRP rod
Loose Tube	PBT
Water blocking	Polymer yarn & Polymer tape
Reinforced Materials	Aramid Yarn
Rip Cord	Yes
Inner Sheath	1.2mm PE (ASTM-1248, type III, Class C, Category 5, Grade J3)
Armouring	0.25 mm corrugated steel tape
Outer Sheath	1.5mm PE (ASTM-1248, type III, Class C, Category 5, Grade J3)

## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Values
Max. Tensile Load	3500 N
Max. Crush Load	5000 N/10 cm
Operating Temp.	-20 °C to +70 °C
Storage Temp.	-40 °C to +85 °C
Impact	25 Nm
Torsion	5 cycles 1 turn

# DOUBLE JACKET ARAMID YARN STRENGTH STEEL TAPE ARMoured OPTICAL CABLE

## 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)	Loose Tube Diameter (mm)	Cable Weight (kg/km)	Bend Radius	
					Short (mm)	Long (mm)
3166-31006FXXCL	6	14.3	2.3	163.0	20D	10D
3166-31012FXXCL	12	14.3	2.3	163.0	20D	10D
3166-31024FXXCL	24	14.3	2.3	163.0	20D	10D
3166-31048FXXCL	48	14.3	2.3	163.0	20D	10D
3166-31072FXXCL	72	14.6	2.4	186.0	20D	10D

## ORDERING GUIDE

Cable Type	Jacket	Fibre/ Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
3166	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 AA3=G652.D + G655	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)
3166-31006FXXCL	2000 x 1	Wooden Drum	326	396
3166-31012FXXCL	2000 x 1	Wooden Drum	326	396
3166-31024FXXCL	2000 x 1	Wooden Drum	326	396
3166-31048FXXCL	2000 x 1	Wooden Drum	326	396
3166-31072FXXCL	2000 x 1	Wooden Drum	372	442