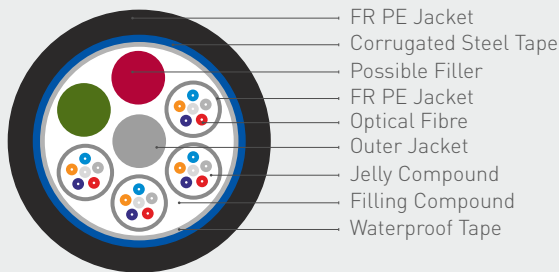
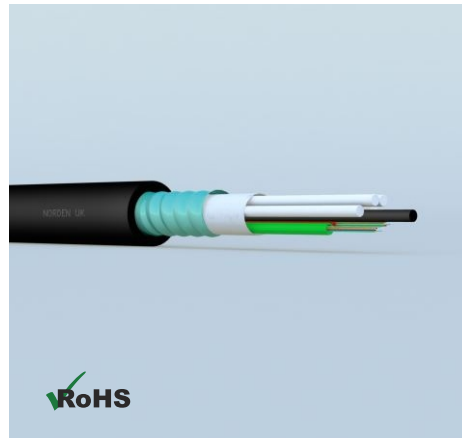


# STEEL TAPE LONGITUDINAL LAYERS-STRANDED OPTICAL CABLE FR-PE

These cables are constructed with a multiple tube filled with water blocking jelly giving very high fibre count up to 144 fibre stranded fibre optic cable, they form the backbone of highspeed networks.

They give flexibility and versatility to networks. Metallic/Non metallic FRP strength members in the cable give it good tensile strength, A corrugated steel armouring give this cable excellent tensile strength, mechanical & rodent. This cable having special insulation of Flame Retardant PE which can give more resistance from fire. So it can be preferable for oil field, building interconnections, trunk lines, LAN and distribution networks.



## COMPLIANCE

ITU-T G652.B OS1  
 ITU-T G652.D OS1  
 ITU-T G651.1 OM1 OM2 OM3 OM4  
 IEC60793-2-10 type A 1a.1/A 1b OM1/OM2  
 IEC60793-2-10 type A 1a.2 OM3  
 IEC60793-2-10 type A 1a.3 OM4  
 ISO/IEC 11801, ISO/IEC 24702  
 ANSI/TIA/EIA 568C.3  
 RoHS Compliant Directive 2002/95/EC

## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Description	Specification
Max. Tensile Load (Short Term)	300N
Max. Tensile Load (Long Term)	160N
Max. Crush Load (Short Term)	500N/100mm
Max. Crush Load (Long Term)	100N/100mm
UL Fire Rated	OFNR
Operating Temperature	-20oC to +70oC
Storage Temperature	-20oC to +70oC
Sheath Material	Standard: FR PE

## OPTICAL CHARACTERISTICS

Fibre Type	Max. Attenuation (dB/km)				Min. Overfill Launch Bandwidth (Mhz*km)		Min. Gigabit Ethernet Link Distance (m)		
	850nm	1300nm	1310nm	1550nm	850nm	1300nm	Gigabit		10Gigabit
							850nm	1300nm	850nm
OM1 62.5/125µm	≤2.7	≤0.6	-	-	≥200	≥600	275	550	-
OM2 50/125µm	≤2.5	≤0.7	-	-	≥500	≥500	550	550	-
OM3 50/125µm	≤2.3	≤0.6	-	-	≥1500	≥500	1000	600	300
OM4 50/125µm	≤2.3	≤0.6	-	-	≥3500	≥500	1000	600	550
OS1 9/125µm	-	-	≤0.34	≤0.20	-	-	-	-	-
OS2 9/125µm	-	-	≤0.34	≤0.24	-	-	-	-	-

# STEEL TAPE LONGITUDINAL LAYERS-STRANDED OPTICAL CABLE FR-PE

## ANI/TIA/EIA-598-B STANDARD FIBRE COLOUR CODE

Fibre Number	Fibre Colour	Fibre Number	Fibre Colour
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

Fibre 13 and higher the colour code is repeated with added black stripe or dash

## COLOUR CODE

BL-Blue	GY-Grey	YE-Yellow
OR-Orange	WH-White	PU-Purple
GR-Green	RE-Red	PI-Pink
BR-Brown	BK-Black	AQ-Aqua

## ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	Cable Weight (Kg/Km)	Bend Radius	
				Short Term (mm)	Long Term (mm)
3126-81004FXXCL	4	10.2	122	20D	10D
3126-81006FXXCL	6	10.2	122	20D	10D
3126-81008FXXCL	8	10.2	122	20D	10D
3126-81012FXXCL	12	10.2	122	20D	10D
3126-81024FXXCL	16	10.2	122	20D	10D
3126-81036FXXCL	36	10.2	122	20D	10D
3126-81048FXXCL	48	11.2	135	20D	10D
3126-81072FXXCL	72	12.5	144	20D	10D
3126-81096FXXCL	96	14.5	208	20D	10D
3126-81144FXXCL	144	18.3	295	20D	10D

## ORDERING GUIDE

Cable Type	Jacket	Fibre/Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
3126	8=FR-PE	1=12 Fibre/T 2=08 Fibre/T 3=06 Fibre/T 4=04 Fibre/T	No. of Fibre	OM1=62.5/125 OM1 OM2=50/125 OM12 OM3=50/125 OM3 OM4=50/125 OM4 OS1=9/125 OS1 OS2=9/125 OS2	As noted in colour code chart

\* 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. \*