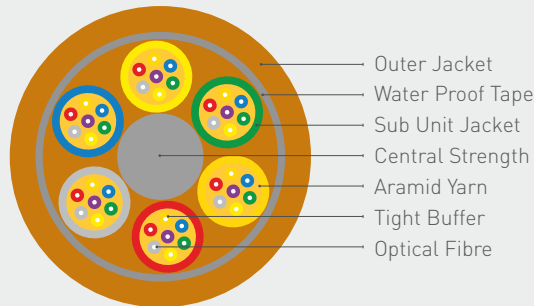
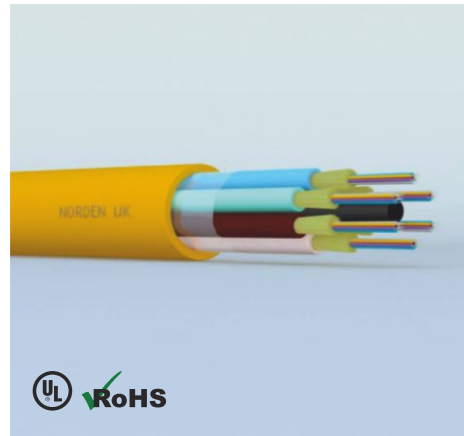


# SUB GROUPING TIGHT BUFFER FIBRE OPTIC CABLE

This high fibre count cable is formed from sub unit containing water blocking Aramid and 12 fibres. These sub units are helically stranded to get cable sizes from 12 to 196 fibres. Tight buffer multi fibre cable design allows sub bundles to be routed to separate areas needing different fibre counts.

They have high moisture resistance and can be routed across multiple bends. Each fibre is mechanically reinforced with two successive sheaths of 400µm and 900µm which enables direct termination of connectors. Excellent strip force stability, fibre geometrical dimension and transmission performance are some of the characteristics of this cable. It is available in PVC, LSZH or Plenum outer sheath and tight buffer: 900µm, 600µm. The cable is specially designed for Internal applications like floor distribution, interconnection and equipment connection.



## 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
- 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 (for 12- 144 Core)	800 N (for 196 Core)	500 N (for 12- 144 Core)
Max. Crush Load	1500 N/100 mm (for 12- 144 Core)	600 N/100 mm (for 196 Core)	1000 N/100 mm (for 12- 144 Core)	300 N/100 mm (for 196 Core)
UL Fire Rated	OFNR			
Operating Temp.	-20°C to +60°C			
Storage Temp.	-40°C to +85°C			
Sheath Material	Standard: PVC Optional: LSZH, PE or other			

## ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	Sub Unit Diameter (mm)	Tight Buffer Diameter (mm)	Cable Weight (kg/km)	Bend Radius	
						Short (mm)	Long (mm)
3104-11012FXXCL	12	13.5	5.0	0.9	145.0	20D	15D
3104-11024FXXCL	24	13.5	5.0	0.9	145.0	20D	15D
3104-11036FXXCL	36	15.8	5.0	0.9	255.0	20D	15D
3104-11048FXXCL	48	15.8	5.0	0.9	260.0	20D	15D
3104-11072FXXCL	72	18.5	5.0	0.9	305.0	20D	15D
3104-11096FXXCL	96	22.5	5.0	0.9	475.0	20D	15D
3104-11144FXXCL	144	29.5	5.0	0.9	845.0	20D	15D
3104-11196FXXCL	196	21.4± 0.5	5.0 ± 0.2	0.55 ± 0.05	312.5	20D	15D

# SUB GROUPING TIGHT BUFFER FIBRE OPTIC CABLE

## ORDERING GUIDE

Cable Type	Jacket	Fibre/Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
3104	1=PVC 2=LSZH 3=PE 7=OFNR	1=12 F/T 2=08 F/T 3=06 F/T 4=04 F/T 8=24 F/T * 6 + 26 F/T * 2	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)

Note : For 196 core the construction is 24 Fibre/Tube \* 6 + 26 Fibre/Tube \* 2

\* 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)
3104-11012FXXCL	1000 x 1	Wooden Drum	145.0	170.0
3104-11024FXXCL	1000 x 1	Wooden Drum	145.0	170.0
3104-11036FXXCL	500 x 1	Wooden Drum	127.5	152.5
3104-11048FXXCL	500 x 1	Wooden Drum	130.0	155.0
3104-11072FXXCL	500 x 1	Wooden Drum	152.5	177.5
3104-11096FXXCL	500 x 1	Wooden Drum	237.5	262.5
3104-11144FXXCL	500 x 1	Wooden Drum	422.5	447.5
3104-11196FXXCL	500 x 1	Wooden Drum	156.25	181.25