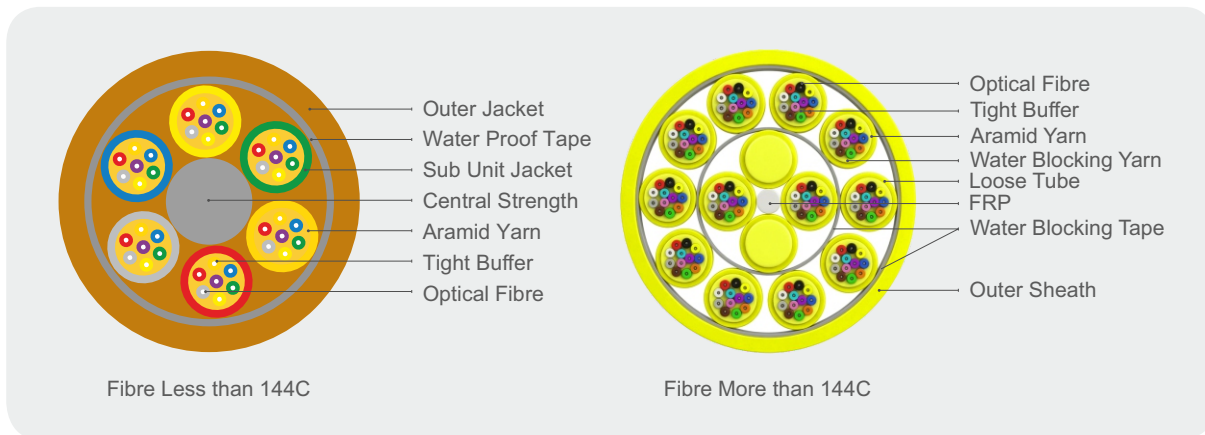
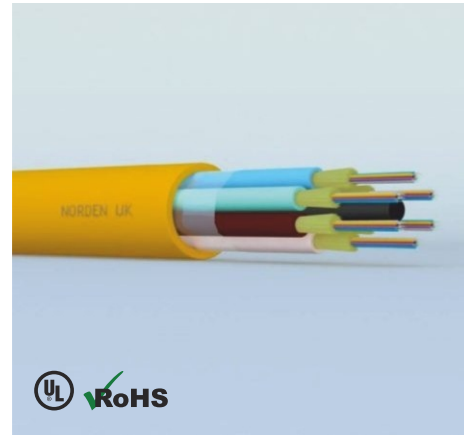


## SUB GROUPING TIGHT BUFFER FIBRE OPTIC CABLE

A sub-grouping tight buffer fibre optic cable is a type of fibre optic cable in which each optical fibre is coated with a tight protective buffer layer. These buffered fibres are arranged into smaller groups or sub-units inside the main cable jacket, which helps in easier fibre identification, organization, and handling during installation and maintenance. The cable also contains aramid yarn, which acts as a strength member to provide high tensile strength and protect the fibres from mechanical stress. In addition, water blocking tape is included to prevent the entry and spread of moisture within the cable, ensuring better durability and reliability. Because of its protective structure and flexibility, this type of cable is commonly used in indoor installations such as building backbone networks, data centres, and communication systems.



### 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)	2000 N (for 288 Core)	500 N (for 12- 144 Core)	400 N (for 196 Core)
Max. Crush Load	1000N/100mm (for 12-288 Core)			600 N/100 mm (for 12- 144 Core)	300N/100mm (for 196-288 Core)	
UL Fire Rated	OFNR					
Operating Temp.	-20°C to +60°C					
Storage Temp.	-40°C to +70°C					
Sheath Material	Standard: PVC Optional: LSZH, PE or other					

## SUB GROUPING TIGHT BUFFER FIBRE OPTIC CABLE

### 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
3104-11288FXXCL	288	30.7± 2	5.5±0.3	0.55 ± 0.05	858	40D	20D

### ORDERING GUIDE

Cable Type	Jacket	Fibre/ Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
3104	1=PVC 2=LSZH 3=PE 7=OFNR A=OFNP	0=24F/T 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
3104-11288FXXCL	500 x 1	Wooden Drum	429.0	459.0

Note : Cable weight may vary depending on the specified parameters.