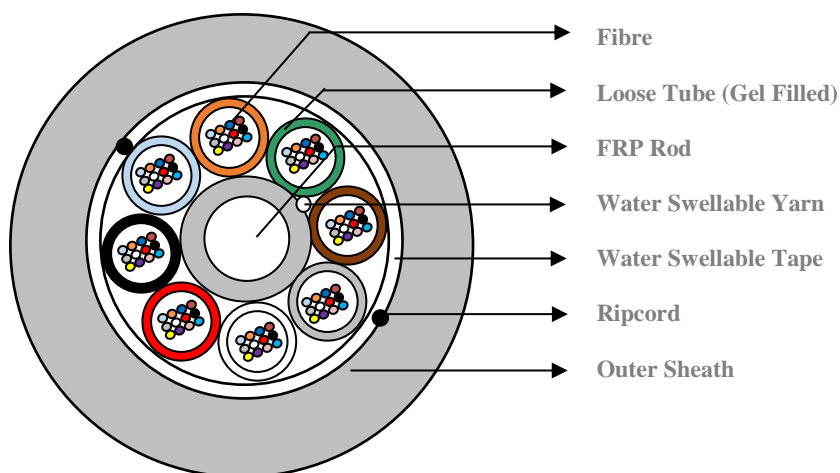


Technical Specifications

24/96F Multitube Indoor OFC



Product Details

Optical Fibre containing elements laid up around central strength member
Water blocked loose tubes
Water blocked core interstices
LSZH sheath as outer protection

Cable Construction

Parameter	Structure/Layout/Material	
Fibre Count	24F	96F
Number of fibres per tube	12	
Number of loose tubes - PBT	2	8
Central Strength Member	FRP Rod	FRP Rod PE Coated
Number Of Fillers - PE - Black	4	-
Moisture Barrier	Water Swellable Yarn	
Core Wrapping	Water Swellable Tape	
Outer Sheath	LSZH - Black - Anti-Rodent	
Number of Ripcords	2 - Polyester	
Cable Diameter	10.5 ± 0.5 mm	12.0 ± 0.5 mm
Cable Weight	100 ± 10 kg/km	135 ± 15 kg/km

Colour Coding

Fibre Count	1	2	3	4	5	6	7	8	9	10	11	12
Fibre Colour EIA/TIA – 598	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk	Yl	Vi	Pk	Aq

Tube Count	1	2	3	4	5	6	7	8
Tube Colour EIA/TIA – 598	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk

Cable & Fibre Characteristics

Tensile Strength	24F	96F	IEC-60794-1-21-E1
	1500 N	2200 N	
Crush Resistance	1000 N/100 x 100 mm		IEC-60794-1-21-E3
Impact Strength	10 N.m		IEC-60794-1-21-E4
Torsion	± 180 °		IEC-60794-1-21-E7
Minimum Bend Radius	20 x D		IEC-60794-1-21-E11
Water Penetration Test	1 m water head, 3 m sample, 24 hours		IEC-60794-1-22-F5
Environmental Performance	Installation	-20 °C to + 70 °C	IEC-60794-1-22-F1
	Operation	-20 °C to + 70 °C	
	Storage	-20 °C to + 70 °C	

Fibre Type	G.652D	
Attenuation	1310 nm	≤ 0.36 dB/km
	1550 nm	≤ 0.23 dB/km
Chromatic Dispersion	1285-1330 nm	≤ 3.5 ps/nm.km
	1550 nm	≤ 18 ps/nm.km
PMD (Max. Individual)	≤ 0.2 ps/√km	
PMD (Link design value)	≤ 0.06 ps/√km	
Cable cut off wavelength λ _{cc}	≤ 1260 nm	
MFD	1310 nm	9.2 ± 0.4 μm
	1550 nm	10.4 ± 0.5 μm
Core-Cladding Concentricity Error	≤ 0.5 μm	
Cladding Diameter	125 ± 0.7 μm	
Cladding Non Circularity	≤ 0.8 %	
Coating Diameter	242 ± 5 μm	

Cable Marking

As per customer requirement

Cable Length

2.0/4.0 km ± 5 %

Packaging

Wooden drums or reels

Cable end sealed

Drum marking: Drum number, User name, HFCL Limited, Fibre count, Cable Length, Date of manufacture, Net weight, Gross weight

Cable Performance Standards

IEC 60793, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, REACH.