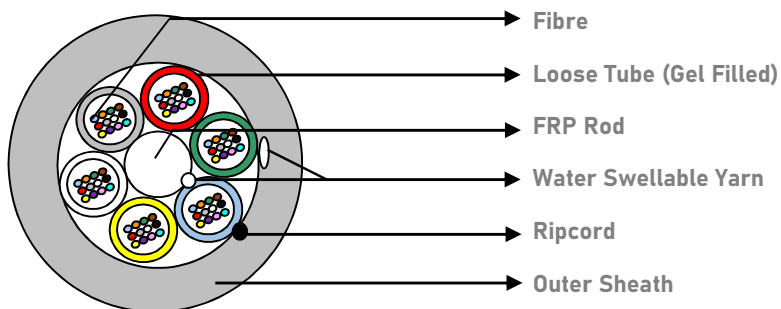


Technical Specifications

24/48/72F Multitube Micro OFC

A-DQ(ZN)2Y - MT Micro - 200 um



Product

Details

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

Cable Construction

Parameter	Structure/Layout/Material
Fiber Count	24/48/72
Number of fibers per tube	12
Number of loose tubes - PBT	2/4/6
Number of Fillers - HDPE - Black	4/2/0
Central Strength Member	FRP Rod
Moisture Barrier - (FRP + Core)	Water Swellable yarn
Outer Sheath	HDPE - Black
Number of Ripcords	1 - Polyester
Cable Diameter	5.0 ± 0.3 mm
Cable Weight	20 ± 5 kg/km

Colour Coding

Fibre Colour DIN VDE 0888	Rd	Gr	Bl	Yl	Wh	Sl	Br	Vi	Aq	Bk	Or	Pk
------------------------------	----	----	----	----	----	----	----	----	----	----	----	----

Tube Colour DIN VDE 0888	Rd	Gr	Bl	Yl	Wh	Sl
-----------------------------	----	----	----	----	----	----

Cable & Fibre Characteristics

Tensile Strength	Installation : 200 N		IEC-60794-1-21-E1
Crush Resistance	300 N		IEC-60794-1-21-E3
Impact Strength	2 J		IEC-60794-1-21-E4
Torsion	± 180 °		IEC-60794-1-21-E7
Minimum Bend Radius	Under Traction : 20 x D Above Traction : 15 x D		IEC-60794-1-21-E11
Environmental Performance	Installation	-5 °C to + 50 °C	IEC-60794-1-22-F5
	Operation	-20 °C to + 60 °C	
	Storage	-20 °C to + 70 °C	

Fiber Type	G.657A1			
Attenuation	1310 nm	≤ 0.36 dB/km		
	1550 nm	≤ 0.22 dB/km		
Chromatic Dispersion	1550 nm	≤ 17.5 ps/nm.km		
PMD (Max. Individual)	≤ 0.1 ps/√km			
PMD (Link design value)	≤ 0.06 ps / km			
Cable cut off wavelength λ _{cc}	≤ 1260 nm			
MFD	1310 nm	8.8 ± 0.4 μm		
	1550 nm	10.0 ± 0.5 μm		
Bending Induced Attenuation	1 Turn	φ 20	1550 nm	≤ 0.20 dB
			1625 nm	≤ 0.50 dB
	10 Turn	φ 30	1550 nm	≤ 0.20 dB
			1625 nm	≤ 0.50 dB
Core-Cladding Concentricity Error	≤ 0.6 μm			
Cladding Diameter	125 ± 1.0 μm			
Cladding Non Circularity	≤ 1.0 %			
Primary Coating Diameter (Coloured)	200 ± 10 μm			

Cable Marking

HFCL Ltd 24/48/72F SM G.657A1 MICRO *Year of manufacture, Length Code, Meter Marking*

Cable Length

2.0 km $\pm$ 10 %

Packaging

Wooden drums or reels

Cable end sealed

Drum marking: Drum number, User name, HFCL Limited, Fiber 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.