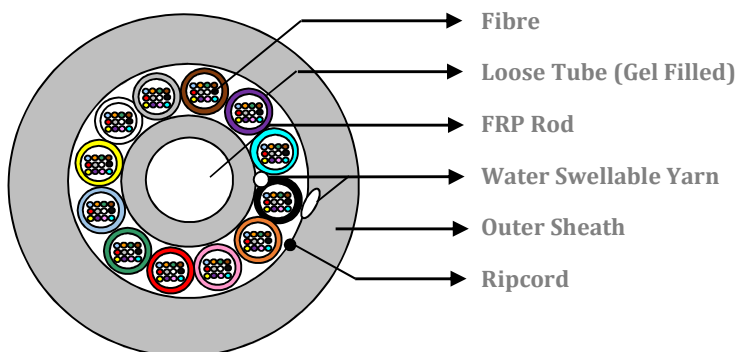


Technical Specifications
144/288/576F Multitube Micro OFC
MT - A-DQ2Y - 200 micron



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	144F		288	576
Number of fibers per tube	24	12		24
Number of loose tubes - PBT	6	12	Layer I : 9 Layer II : 15	
Central Strength Member - FRP Rod	1.8 ± 0.1 mm	2.4 mm PE upcoated	2.6 ± 0.1 mm	2.7 mm PE upcoated
Moisture Barrier - (FRP + Core)	Water Swellable yarn			
Outer Sheath - HDPE - Black	---			
Number of Ripcords - Polyester	1			
Cable Diameter	6.2 ± 0.3 mm	7.5 ± 0.3 mm	9.0 ± 0.3 mm	11.0 ± 0.3 mm
Cable Weight	40 ± 5 kg/km	55 ± 10 kg/km	75 ± 10 kg/km	125 ± 10 kg/km

Colour Coding

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

*Fibers from 13-24 shall be ring marked.

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

#Stripe mark tubes from 13-15

Cable & Fibre Characteristics

Tensile Strength	144F(24FT) : 600 N 144F(12FT) : 1000 N 288/576F : 1500 N		IEC-60794-1-21-E1
Crush Resistance	500 N		IEC-60794-1-21-E3
Impact Strength	1 N.m		IEC-60794-1-21-E4
Torsion	± 360 °		IEC-60794-1-21-E7
Minimum Bend Radius	20 x D		IEC-60794-1-21-E11
Environmental Performance	Installation	-5 °C to + 70 °C	IEC-60794-1-22-F5
	Operation	-20 °C to + 70 °C	
	Storage	-20 °C to + 70 °C	

Fiber Type	G.657A2	
Attenuation	1310 nm	≤ 0.36 dB/km
	1550 nm	≤ 0.23 dB/km
Chromatic Dispersion	1550 nm	≤ 18 ps/nm.km
PMD	≤ 0.1 ps/√km	
Cable cut off wavelength λ_{cc}	≤ 1260 nm	
MFD	1310 nm	8.6 ± 0.4 μm
Core-Cladding Concentricity Error	≤ 0.5 μm	
Cladding Diameter	125 ± 0.7 μm	
Cladding Non Circularity	≤ 0.7 %	
Primary Coating Diameter (Coloured)	200 ± 10 μm	

Cable Marking

HFCL Ltd, 144/288/576F SM G.657A2 MICRO *Year of manufacture, Length Code, Meter Marking*

Cable Length

2.0 km ± 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.