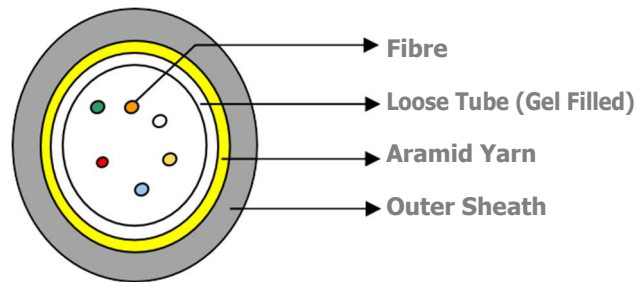




Technical Specifications
4/6F Unitube Micro OFC
A-D(ZN)2Y - UT -100 N - 250 um



Product

Details

Optical Fibre inside central loose tube
Aramid yarn as strength member
Polyethylene sheath as outer protection

Cable Construction

Parameter	Structure/Layout/Material
Fiber Count	4/6F
Number of fibers per tube	4/6F
Number of loose tubes – PBT	1
Peripheral Strength Member	Aramid Yarn
Outer Sheath - PE - Black	---
Cable Diameter	2.5 ± 0.3 mm
Cable Weight	5 ± 2 kg/km

Colour Coding

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

Tensile Strength (max.)	100 N	IEC-60794-1-21-E1
Crush Resistance	300 N/10 cm	IEC-60794-1-21-E3
Impact Strength	1 J	IEC-60794-1-21-E4
Torsion	± 180 °	IEC-60794-1-21-E7
Minimum Bend Radius	Under Traction : 20 x D Without Traction : 10 x D	IEC-60794-1-21-E11
Environmental Performance	Installation	-5 °C to + 50 °C
	Operation	-20 °C to + 70 °C
	Storage	-20 °C to + 70 °C
		IEC-60794-1-22-F5

Fiber Type	G.652D	
Attenuation	1310 nm	≤ 0.36 dB/km
	1550 nm	≤ 0.22 dB/km
Chromatic Dispersion	1285-1330 nm	≤ 3.5 ps/nm.km
	1550 nm	≤ 18 ps/nm.km
PMD	≤ 0.2 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	≤ 0.6 μm	
Cladding Diameter	125 ± 1.0 μm	
Cladding Non Circularity	≤ 1.0 %	
Primary Coating Diameter (Coloured)	250 ± 10 μm	

Fiber Type	G.657A1			
Attenuation	1310 nm	≤ 0.36 dB/km		
	1550 nm	≤ 0.22 dB/km		
Chromatic Dispersion	1285-1330 nm	≤ 3.5 ps/nm.km		
	1550 nm	≤ 18 ps/nm.km		
PMD (Max. Individual)	≤ 0.1 ps/√km			
PMD (Link design value)	≤ 0.04 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		
Bending Induced Attenuation	1 Turn	φ 20	1550 nm	≤ 0.50 dB
			1625 nm	≤ 1.5 dB
	10 Turn	φ 30	1550 nm	≤ 0.05 dB
			1625 nm	≤ 0.30 dB
	100 Turn	φ 50	1310,1550,1625 nm	≤ 0.01 dB
Core-Cladding Concentricity Error	≤ 0.6 μm			
Cladding Diameter	125 ± 1.0 μm			
Cladding Non Circularity	≤ 1.0 %			
Primary Coating Diameter (Coloured)	245 ± 10 μm			

Cable Marking

HFCL Ltd 4/6FSM G.652D/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.