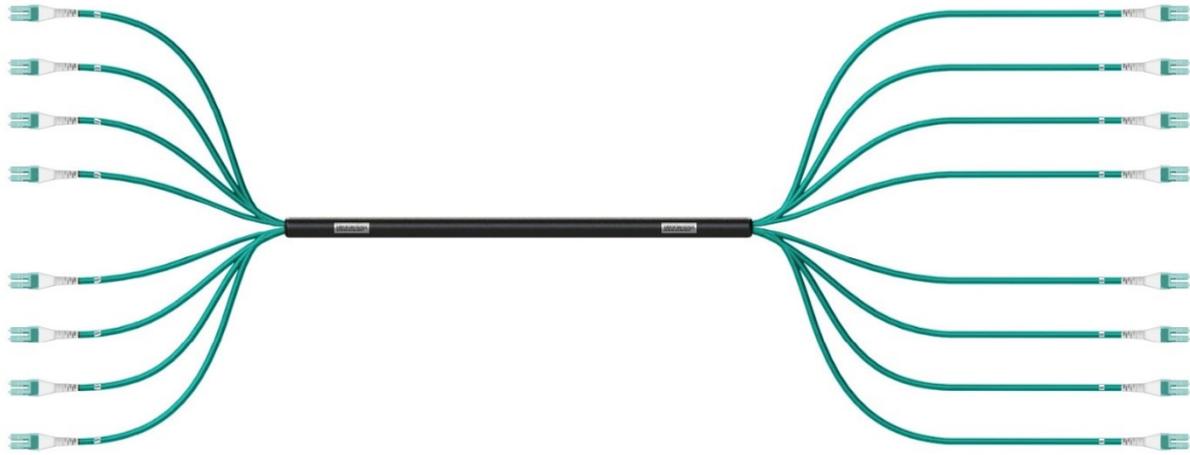




Product specification

MM 16C LC Uniboot – LC Uniboot Fibre Cable

25-OHE7784500/XX



Description

Multimode optical fiber cable with 8 pairs (16 cores) terminated with Duplex uniboot LC connectors

Specification

Cable assembly	
Connectors	8 x pair LC (Uniboot)
Fiber type	16 core OM4
Insertion loss	<0.2dB
Return loss	>50dB
Jacket material	LSZH; Black
Jacket min. avg. thickness	0.8mm
Cable OD	9.5 ± 0.5mm
Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Installation temperature	-40°C to +85°C
Breakout Length	500mm; 1100mm
Max. Tension	Short term: 1000N; Long-term: 500N
Max Crushing Resistance	Short-term: 1000N/100; Long term: 300N/100
Cable Technical Parameters	
Optical fibre dimension	245±5µm
Tight buffer dimension	0.9 ± 0.05 mm
Strength Member	Aramid yarn
Breakout Jacket	LSZH; Aqua; 2mm OD
Min. Bend Radius (Dynamic)	190mm
Min. Bend Radius (Static)	95mm
Duplex LC connectors (Uniboot)	
Number of cores	2 cores per connector
Dustcover	TPV, UL 94-V-0, white

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Product specification

MM 16C LC Uniboot – LC Uniboot Fibre Cable

25-OHE7784500/XX

Ferrule Sub Assembly	Zirconia/Metal
Compression Spring	Aluminium 5053
Housing	PEI, blue
Inner Tubing	PTFE, Clear, UL VW-1
Rear Body	PEI, blue
Heat Shrink Tubing	PE, Flame Retardant
Limiting Bending Boot	PE, white
Fibre Transmission Characteristics: OM4	
Number of fibres	4 cores, multimode OM4
Tight buffer fibre	850± 50 µm
Cable jacket	LSZH
Attenuation	850 nm ≤2.3dB/km 1300 nm ≤0.6dB/km
Bandwidth	50/125um 850 nm ≥3500 M Hz·km 1300 nm ≥500 MHz·km
Cladding diameter	125±1.0 µm
Cladding non-circularity	≤1.0%
Coating/cladding concentricity error	≤12.0 µm
Coating diameter	245±7 µm
Environmental characteristics	
Temperature cycling	-60°C to +85°C ≤0.05dB/km
Temperature-humidity cycling	-10°C to +85°C; 4% to 98% RH ≤0.05dB/km
Water immersion	23°C, 30days ≤0.05dB/km
Dry heat	85°C, 30days ≤0.05dB/km
Damp heat	85°C, 85%RH, 30days ≤0.05dB/km
Mechanical specification	
Proof test	≥100 kpsi
Macro bending induced loss	850nm,1300nm 100turns, 75mm diameter ≤0.5dB
General	
Cable Length	1m, 2m... any length optional
Length Tolerance	10cm
Pair Identification	Alphanumeric 1-8
Label info	HUGHES Part Number Product description Batch
Fibre deployment application	Suitable for Outdoor, Indoor, External Ducting
Recommended Hanger	Hughes 27-CL4S101/0DS1 – ONECLAMP DS1
	

The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general information purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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