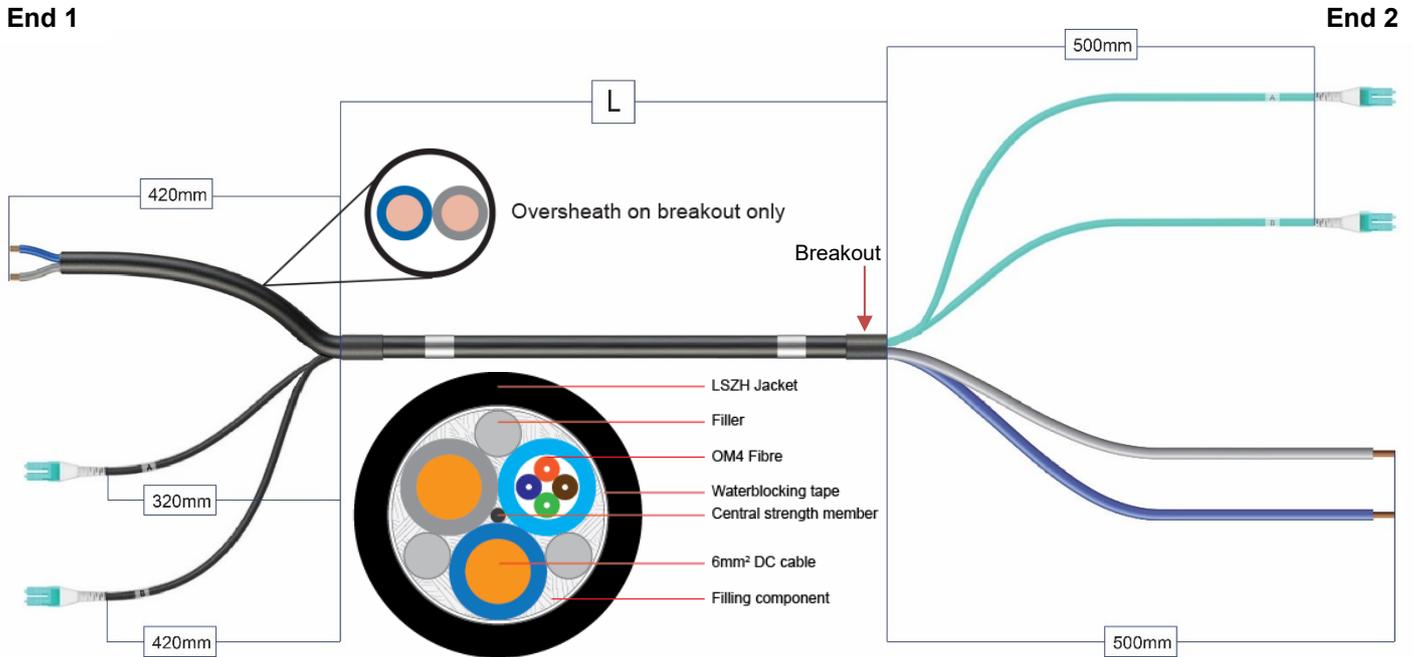




# Product specification

## Hybrid jumper 2 x Uniboot OM4 + 2 x 6MM

### 25-OHH42222003/XX/TP



## Description

Hybrid jumper with 2 pairs (4 cores) OM4 + 2 x 6mm<sup>2</sup> DC

## Specification

Cable assembly	
<b>Connectors</b>	End 1: LC Uniboot; Bared copper End 2: LC Uniboot; Bared copper
<b>Fibre type</b>	4 core OM4
<b>Insertion loss</b>	<0.5dB
<b>Return loss</b>	>50dB
<b>Jacket material</b>	LSZH; UV Resistant; External Grade; Black
<b>Jacket Thickness</b>	1.4mm
<b>Cable OD</b>	13.7 ± 0.3mm
<b>Operating temperature</b>	-60°C to +85°C
<b>Storage temperature</b>	-60°C to +85°C
<b>Installation temperature</b>	-60°C to +85°C
<b>Breakout Length</b>	End 1: Fibre subunits: 420mm, 320mm; DC subunit: 420mm End 2: Fibre subunits: 2 x 500mm; DC subunit: 2 x 500mm
<b>Breakout Diameter</b>	End 1: 19.1mm +/- 1mm End 2: 15.8mm +/- 1mm
<b>Breakout Tolerance</b>	+30/-0 mm
<b>Max. Tension</b>	<b>Short term</b> 1500N

Hughes Electronics Ltd  
Unit G, Southwark Business Center,  
Ayles Street, London, SE1 1ES, UK  
Co. No. 2827242 VAT No. 653 5771 17

Tel: (44) 020 7378 1400  
Fax: (44) 020 7378 1434  
email: sales@hugheselectronics.co.uk  
web: www.hugheselectronics.co.uk



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# Product specification

## Hybrid jumper 2 x Uniboot OM4 + 2 x 6MM

### 25-0HH42222003/XX/TP

	<b>Long term</b>	600N
<b>Max Crushing Resistance</b>	<b>Short term</b>	3000N/100mm
	<b>Long term</b>	1000N/100mm
<b>Central strength member material</b>		FRP
<b>Central strength member OD</b>		1.0mm
<b>Filling component</b>		6000D PP
<b>Filler</b>		PE
<b>Filler OD</b>		2.3±0.1mm
<b>Bending Radius</b>	<b>Short term</b>	280mm
	<b>Long term</b>	140mm
<b>6mm<sup>2</sup> power cable</b>		
<b>Insulation Material</b>		PVC
<b>Insulation Diameter</b>		Φ5.0±0.1mm
<b>Insulation Thickness</b>		0.9±0.1mm
<b>Colour</b>		Blue / Grey
<b>Cable Cross Section (mm<sup>2</sup>)</b>		6
<b>Stranding</b>		116*0.25mm
<b>Rated voltage</b>		0.6/1.0KV
<b>Conductor DC Resistance</b>		3.3Ω/km
<b>Breakout Jacket</b>		End 1: LSZH; UV Resistant; External Grade; Black; 12mm OD
<b>Duplex LC connectors (Uniboot)</b>		
<b>Number of cores</b>		2 cores per connector
<b>Dustcover</b>		TPV, UL 94-V-0, white
<b>Ferrule Sub Assembly</b>		Zirconia/Metal
<b>Compression Spring</b>		Aluminium 5053
<b>Housing</b>		PEI, blue
<b>Inner Tubing</b>		PTFE, Clear, UL VW-1
<b>Rear Body</b>		PEI, blue
<b>Heat Shrink Tubing</b>		PE, Flame Retardant
<b>Limiting Bending Boot</b>		PE, white
<b>Fibre Cable Technical Parameters</b>		
<b>Fibre unit jacket</b>		LSZH
<b>Tight buffer dimension</b>		0.9 ± 0.05 mm
<b>Strength Member</b>		Aramid yarn
<b>Breakout Jacket</b>		End 1: LSZH; UV Resistant; External Grade; Black; 3.3mm OD End 2: LSZH tube; Aqua; 3.3mm OD
<b>Fibre Transmission Characteristics: OM4</b>		
<b>Number of fibres</b>		4 cores, multimode OM4
<b>Tight buffer fibre</b>		850± 50 µm
<b>Cable jacket</b>		LSZH
<b>Attenuation</b>		850 nm ≤2.3dB/km 1300 nm ≤0.6dB/km

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# Product specification

## Hybrid jumper 2 x Uniboot OM4 + 2 x 6MM

### 25-0HH42222003/XX/TP

<b>Bandwidth</b>	<b>50/125um</b> 850 nm $\geq$ 3500 MHz·km 1300 nm $\geq$ 500 MHz·km
<b>Cladding diameter</b>	125 $\pm$ 1.0 $\mu$ m
<b>Cladding non-circularity</b>	$\leq$ 1.0%
<b>Coating/cladding concentricity error</b>	$\leq$ 12.5 $\mu$ m
<b>Coating diameter</b>	245 $\pm$ 10 $\mu$ m
<b>Environmental characteristics</b>	
<b>Temperature cycling</b>	-60°C to +85°C $\leq$ 0.05dB/km
<b>Temperature-humidity cycling</b>	-10°C to +85°C; 4% to 98% RH $\leq$ 0.05dB/km
<b>Water immersion</b>	23°C, 30days $\leq$ 0.05dB/km
<b>Dry heat</b>	85°C, 30days $\leq$ 0.05dB/km
<b>Damp heat</b>	85°C, 85%RH, 30days $\leq$ 0.05dB/km
<b>Mechanical specification</b>	
<b>Proof test</b>	$\geq$ 100 kpsi
<b>Macro bending induced loss</b>	850nm,1300nm 100turns, 75mm diameter $\leq$ 0.5dB
<b>General</b>	
<b>Cable Length</b>	1m, 2m... any length optional
<b>Cable Length Tolerance</b>	+/- 10cm
<b>Pair Identification</b>	1; 2
<b>Label info</b>	HUGHES Part Number Product description Batch
<b>Fibre deployment application</b>	Suitable for Outdoor, Indoor, External Ducting
<b>Recommended Hanger</b>	Hughes 27-CL4S101/0DS1- ONECLAMP DS1 6-16mm
	

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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