Base Product



OCJ Series Singlemode Fiber Optic Patch Cord

OCJ Patch cords are simplex or duplex fiber cables pre-assembled with a connector at both ends. They are typically used to cross-connect patch panel to patch panel and to interconnect patch panels to optical equipment.

FEATURES

- CommScope offers two ranges of cable assembly specifications according to IEC 61755-1
- Grade C as a standard quality for use in data centers and telecommunication networks
- Grade B as a superior quality if lower attenuation (Insertion) losses are required, for example to cover extra distance
- All connectors are built with full ceramic ferrules and tuned for best performance and compatibility according to IEC 61755-3-1 and -3-2
- CommScope's standard single mode fiber is according to ITU-T G.657.A1 (MFD 9.2 μm ± 0.4 μm) and G.657.A2 (MFD 8.6 μm ± 0.4 μm) If other fiber types or MFD (Mode Field Diameter) are required, please contact your CommScope representative

Product Classification

Regional Availability	Europe Middle East/Africa
Product Type	Fiber patch cord, duplex Fiber patch cord, simplex
Product Series	OCJ
General Specifications	
Jacket Color	Yellow
Dimensions	
Cable Assembly Length Range (m)	1 – 30
Diameter Over Jacket	1.8 mm 0.071 in

Ordering Tree

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	ype at end l	
Standard C grade	Superior B grade	Туре
S1	SF	SC/UPC
S2	SG	SC/APC 8°
S3	SH	SC/APC 9°
L1	LF	LC/UPC
L2	LG	LC/APC
	EC	LSH/APC 8°

Connector type at end 2¹

Standard C grade	Superior B grade	Туре
S1	SF	SC/UPC
S2	SG	SC/APC 8°
S3	-	SC/APC 9°
L1	LF	LC/UPC
L2	LG	LC/APC
	EC	LSH/APC 8°

¹ For hybrid patch cords, connectors 1 and 2

Cable length		
01	1 meter	
02	2 meters	
03	3 meters	
05	5 meters	
	10 meters	
	15 meters	
	20 meters	
25	25 meters	
30	30 meters	

must be the same	grade.
The first of	

	Cable type			
_	ASIA	1.8mm simplex	LSZH jacket	
	ASHA	1.8mm duplex	LSZH jacket	

Optical Performance

	Standard connectors	Superior connectors
Grade according to IEC 61755-1	C	В
Attenuation (Insertion loss) Random mated for 97% Random mated average Against reference ¹	≤ 0.50 dB ≤ 0.25 dB ≤ 0.45 dB	≤ 0.25 dB ≤ 0.12 dB ≤ 0.25 dB
Return loss Random mated for UPC ² Random mated for APC ³	> 50 dB > 60 dB	> 50 dB > 60 dB
Operational temperature range	-40°C +70°C	-40°C +70°C

¹ The given values are for 1310 nm, 1550 nm and 1625 nm

² UPC = ultra polished physical contact

³ APC = angled polished physical contact

For information on other grade connectors, please contact your local CommScope sales representative.

Optical Specifications

Fiber Mode

Singlemode

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Fiber Type

G.657.A1, TeraSPEED®

Environmental Specifications

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Environmental Space	Low Smoke Zero Halogen (LSZH)
Packaging and Weights	
Packaging quantity	1

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