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RAYCORE

Q3-S161 V4.4E

Specification of Fiber Patch Cord & Fiber Pigtail

Part Number: AFPx-xxxx-xxxxx-00



Raycore provides first class fiber optic assemblies for all kind of fiber optic applications. By selecting a manufacturing partner that produce also the ceramic ferrule, the overall product quality can be fully secured, from component level all the way through the production level.

By selecting Raycore you are sure to receive highest quality assemblies with low insertion loss and precise deliveries to a competitive budget.

Ordering Information

PN: AFP~~x-xxxx-xxxx~~-00

Fiber	Connector 1	Connector 2	Cable	Fiber Mode	Length (cm)
Count	Type	Type	Diameters		
AFP □ — □ □ □ □ □ — 00					
S: Simplex	1: SC/UPC	1: SC/UPC	9: 900µm	S: Single-Mode (9/125µm)	00010: 10cm
D: Duplex	2: SC/APC	2: SC/APC	2: 2mm	1: OM 1 multi-mode (62.5/125µm)	00020: 20cm
	3: LC/UPC	3: LC/UPC	3: 3mm	2: OM 2 multi-mode (50.0/125µm)	⋮
	4: LC/APC	4: LC/APC		3: OM 3 multi-mode (50.0/125µm)	00050: 50cm
	5: ST/UPC	5: ST/UPC		4: OM 4 multi-mode (50.0/125µm)	⋮
	7: FC/UPC	7: FC/UPC			00100: 1m
	8: FC/APC	8: FC/APC			⋮
	C: MU/PC	C: MU/PC			01000: 10m
	0: no connector	0: no connector			⋮
					10000: 100m

Example: Simplex Cable/ (9/125µm) Single Mode Fiber, SC/UPC-SC/APC, Diameter: 3mm, Length: 2m

PN: AFPS-123S-00200-00



Connectors

1. SC/UPC



- SM & MM
 - IL (Insertion Loss) <0.15dB typical, <0.3dB max
 - RL (Return Loss) >50dB
 - Housing colour: SM – blue and MM – beige
 - Boot Colour: SM – Blue and MM – Beige (other colors on request)
 - Materials: Ferrule – Zirconia ZrO₂ (ceramic), Housing – Plastic
 - Fully compliant with IEC standard 60874-14-2
 - Duplex clip available
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2. SC/APC



- SM
 - Angled polished ferrule, 8° or 9°
 - IL (Insertion Loss) <0.15dB typical, <0.3dB max
 - RL (Return Loss) >60dB
 - Housing colour: Green
 - Boot Colour: Green (other colors on request)
 - Materials: Ferrule – Zirconia ZrO₂ (ceramic), Housing – Plastic
 - Fully compliant with IEC standard 60874-14-2
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3. FC/UPC



- SM & MM
 - IL (Insertion Loss) <0.15dB typical, <0.3dB max
 - RL (Return Loss) >50dB
 - Boot Colour: SM – Blue and MM – Beige (other colors on request)
 - Materials: Ferrule – Zirconia ZrO₂ (ceramic), Housing – Metallic
 - Fully compliant with IEC standard 60874-14-2
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4. FC/APC



- SM
- Angled polished ferrule, 8°
- IL (Insertion Loss) <0.15dB typical, <0.3dB max
- RL (Return Loss) >60dB
- Boot Color: Green (other colors on request)
- Materials: Ferrule – Zirconia ZrO₂ (ceramic), Housing – Metallic
- Fully compliant with IEC standard 60874-14-2



5. ST/UPC



- SM & MM
 - IL (Insertion Loss) <0.15dB typical, <0.3dB max
 - RL (Return Loss) > 50dB
 - Boot Colour: SM – Blue and MM – Beige (other colours on request)
 - Materials: Ferrule – Zirconia ZrO₂ (ceramic), Housing – Metallic
 - Fully compliant with IEC standard 60874-14-2
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6. LC/UPC



- Small form factor, SMF, connector
 - SM & MM
 - IL (Insertion Loss) <0.15dB typical, <0.3dB max
 - RL (Return Loss) >50dB
 - Housing colour: SM – blue and MM – beige
 - Boot colour: SM – White and MM – White (other colors on request)
 - Materials: Ferrule – Zirconia ZrO₂ (ceramic), Housing – Plastic
 - Fully compliant with IEC standard 60874-14-2
 - Duplex clip available
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7. LC/APC



- Small form factor, SMF, connector
 - SM
 - Angled polished ferrule, 8°
 - IL (Insertion Loss) < 0.15dB typical, <0.3dB max
 - RL (Return Loss) >60dB
 - Housing colour: Green
 - Boot Colour: White (other colors on request)
 - Materials: Ferrule – Zirconia ZrO₂ (ceramic), Housing – Plastic
 - Fully compliant with IEC standard 60874-14-2
 - Duplex clip available
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