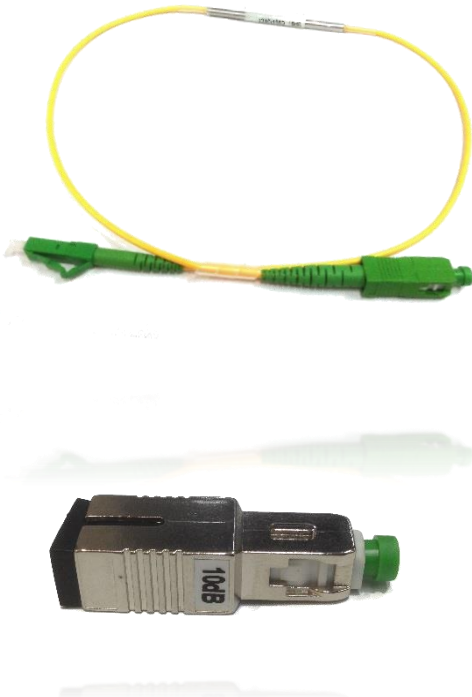


Optical Interconnect Series Adaptors, Patch Cords and Pigtails

Overview

C-COR's optical connections products provide for a variety of simple and reliable interconnections. Featuring high precision, low insertion loss and strong environmental stability our components are suitable for use in fibre communication, medical treatment, aerospace, the military industry, and other fields and are 100% tested.

Coming from an experienced manufacturer and supplier of fibre optic passive components with more than 12 production lines, monthly capacity up to 1.5 million terminations and over 20 million terminations of fibre optic patch cord, 50 million fibre optic adaptors and 300 thousand fibre optic attenuators to date the C-COR Optical Passive products provide reliable, flexible interconnectivity of fibre systems and come in a variety of connector interfaces, lengths and fibre configurations.

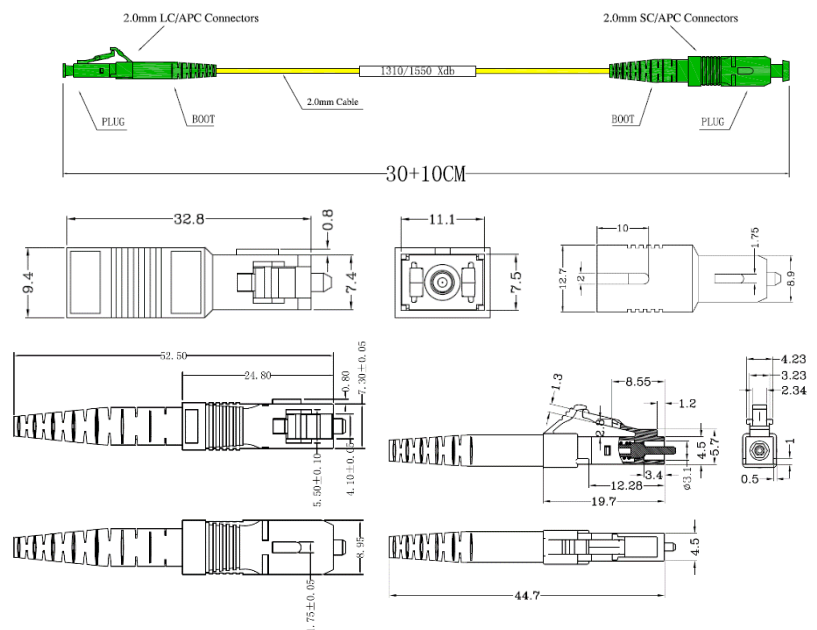


KEY FEATURES

- Fibre Tested to ITU-T G.650-, IEC 60793-1- and Telcordia GR-20-;
- Fibre Complies with ITU-T G.652.D, IEC 60793-2-50 type B1.3;
- Connectors/Assemblies Tested to Telcordia-GR-326-Core standards (SM);
- IEC 60874-, 1754 and 61754- , TIA/EIA 604- Compatible Connector Interfaces;
- Zirconia/Copper Ferrules;
- UL94 V0 and 5VA Fire Rating Connectors;
- RoHS Materials;
- ISO9001 Manufactured;
- Certified Test Results.

Mechanical

Dimensions (Height x Width x Depth)	Dependant On Product	mm
Weight (each)	Typically < 25	gms



General Specifications

Item	Specification
Standard Fibre Mode/ Configuration	Single Mode (SM)/ Simplex, Duplex
Connector Type	LC, SC, PC, UPC, APC
Interface Angle (APC Connector only)	8°
Optical Return Loss (dB)	PC Type ≥ 45; UPC Type ≥ 50; APC Type ≥ 60.
Operating Wavelength (nm)	1280 to 1625 (SM)
Maximum Fibre Attenuation (dB/km)	1310 nm, ≤0.35 1550 nm, ≤0.20 1625 nm, ≤0.24
Attenuation vs Wavelength, Max. Variation (dB/km)	1285-1330 nm (1310 nm ref.) - 0.03 1525-1575 nm (1550 nm ref.) - 0.02
Plugin Adaptor Attenuation Tolerance (dB)	≤ 5 ± 0.5, > 5 ± 10% of nominal value.
Core Diameters (µm)	9/125 (SM)
Diameters of Fibre Sheath (mm)	2.0 (Std.) 0.9, 1.2, 3.0 (Opt.)
Operating Temperature (°C)	-20 to 75
Storage Temperature (°C)	-20 to 85

Connector Colour Scheme

Name	APC	UPC/PC	Material
LC	Green	Blue	Plastic/ Metal
SC	Green	Blue	Plastic/ Metal

Fibre Details

Item	SM	Jacket	Fibre
Characteristics	Yellow	LSZH/PVC	Corning/YOFC

Assemblies Detail

Materials	Specification
Metallics	Stainless Steel 3003, 304, Al-Zn Coating, Al, Cu
Plastics	PE, PBT, PTFE, TPE
Ceramics	ZrO ₂

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Ordering Information

C-COR P/N: F323.x.y

Where:

- 'x' = Model Series:
- 'y' = Attenuation in dB.

Note: - Attenuations are available from 0 to 30 dB in 1dB increments.

- Maximum attenuation for patch cord is 25dB.
- Standard configuration of patch cord/pigtail is 30cm length, 2mm jacketed fibre.

P/N.	Description
F323.6.y	Attenuated Adaptor Plugin SC/APC, ydB
F323.7.y	Attenuated Patch Cord 30cm, LC/APC to SC/APC, 2mm, ydB
F323.8.y	Attenuated Patch Cord 30cm, SC/APC to SC/APC, 2mm, ydB
F323.6.0	Through Adaptor, SC/APC
F323.8.0	Patch Cord, SC/APC

Contact your local sales representative for product availability in your area and for other interface and option requirements.

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Due to ongoing product development, technical specifications are subject to change without notice