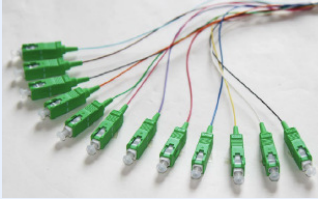
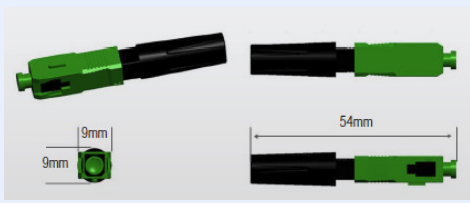


DATA SHEET

FTTX CONNECTIONS



Patch Cords, Pigtails and Field Connectors

SC/LC APC/UPC

Overview

Fibre pigtail cables provide a fast way to make factory terminations in the field. Factory terminated pigtails can easily be fusion or mechanically spliced to an existing fibre line.

- Low insertion loss;
- High return loss;
- Low concentricity;
- Good repeatability;
- Easy and quick installation.

Field Assembly Connectors

Field assembly connectors are the most widely used fibre optic connector in FTTx deployments and require no epoxy or polishing after field installation. They enable fast and on the spot installation of 2.0mm x 3.0mm cable type connectors even when the installer has no access to power on-site.

Two or three pieces of the pre-assembled and factory terminated connectors can be installed within 2 minutes by using simple tools and they can be reused several times.

Features

- All Specifications for SC, LC;
- Simplex;
- Single mode;
- UPC/APC polishing ceramic ferrule;
- PVC/LSZH coating sheath;
- $\phi 0.9$, 2.0mm fibre cable.



DATA SHEET

FTTX CONNECTIONS

Australia Office

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Fibre Optic Patch Cord/ Pigtail Specifications

Item	Description	
Connector Type	UPC	APC
Insertion Loss (dB)	≤0.2	≤0.3
Return Loss (dB)	≥50	≥55
Performance Change Due to:		
Exchangeability (dB)	≤0.2	
Mechanical Endurance (dB)	≤0.2	
Vibration (dB)	≤0.2	
Operation Temperature(°C)	-40°C ~+75°C	
Storage Temperature (°C)	-45°C ~+85°C	

Field Connector Specifications

Item	Description
Connector Type	APC, V-Groove
Insertion Loss (dB)	Typ. 0.3dB / Max. 0.5dB
Return Loss (dB)	Typ.55dB / Max. 60dB
Endurance	500 times reconnection / ≤ 0.5dB
Tension	2.0mm X 3.0mm 3.0kg / ≤ 0.2dB change
Temperature Change	21 times / -40°C ~ +75°C / ≤ 0.3dB change
Ferrule End-face Radius (mm)	5~12
Fibre Undercut (nm)	< 100
Fibre Protrusion (nm)	< 100
Apex Offset (µm)	< 50

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Ordering Information

C-COR Part Number: ABC.x.①.②.③.④.⑤

Code	Value	Description
P/N Prefix (x)	ABC.x	for Pigtails
	ABC.y	for Patch Cords
	ABC.z	For Field Connectors
① Max. No. of Fibre Cores	1	100s (Hundreds)
	2	10s (Tens)
	3	1s (Single)
② Fibre Diameter	1	900µm, Tight Buffered
	2	2mm, Tight Buffered
③ Fibre Configuration	1	Single Mode Bunched Pigtails
	2	Single Mode Ribbon Fibre
④ One Side Optical Connector	1	SC/APC
	2	SC/UPC
	3	LC/APC
	4	LC/UPC
	0	None
⑤ Other Side Optical Connector	1	SC/APC
	2	SC/UPC
	3	LC/APC
	4	LC/UPC
	0	None



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C-COR P/N Examples	Description
TBA	Pigtail, 10 Cores, 900µm, Single Mode, Bunched Fibre, No Connector, SC/APC
TBA	Field Connector, Single, SC/APC

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