

## Fibre Patch leads

- **Singlemode & Multimode terminations**
- **Low insertion loss**
- **Superior machine polish**
- **SPC, UPC & APC polishes**
- **100% tested & inspected**
- **Termination of active & passive devices**

Our optical fibre patch leads are designed to meet worldwide specifications and requirements for data centre, telecommunications and industrial use. Fibre patch leads are an integral part of the optical systems that we manufacture and test in our own factory. Patch cords are available with FC/PC, FC/APC, SC, SC/APC, ST, ST/APC, EC, E2000, LC, MU and MTRJ connectors with OS1, G652, G657, OM1, OM2 or OM3 fibre optic cable.



Our fibre patch leads typically meet an optical return loss equal to or better than -55dB for UPC polish, or -65dB for APC polish. Average insertion loss shall not exceed 0.4dB per mated pair for both multimode and single-mode and are available in various whole and fractional metre lengths. The patch leads are compliant with TIA-568-C.

- Offered in SC, ST, FC, LC, MT-RJ or hybrid options
- All connectors have precision pre-radiused zirconia ferrules
- ST and FC connectors have metal bodies
- Standard and custom configurations available
- Duplex clips included with duplex configurations

### STANDARDS COMPLIANCE

Fibre terminations comply to Telcordia GR-326-CORE for Return Loss, Apex Offset, Radius of Curvature and Fibre Undercut / Protrusion; LUL 2-01001-002 Fire Safety Performance of Materials.

### Cable Type & Colour

OM1/2/3 Multimode: LSOH simplex or duplex zip cord multimode cable. Standard 50/125µm and 62.5/125µm orange / aqua (OM3) jacket cable.

OM4 Multimode: 50/125µm Laser Optimized (10G-300m) LSOH duplex zip cord multimode cable (aqua jacket)

OS1 Single-Mode: LSOH simplex or duplex zip cord single-mode cable (yellow jacket) in UPC or APC polish -style connectors.



# Technical Specifications

## Connector Performance (Typical):    **Singlemode**    **Multimode**

Ultra PC	Insertion Loss	<0.30 db	<0.40dB
	Return Loss	<-50 db	<-40dB
APC	Insertion Loss	<0.30 db	
	Return Loss	<-60 db	

**All Industry Standard Connectors Available, including:**  
 FC, FC/APC, SC, SC/APC, EC, ST™, LC, MU, E2000, MT-RJ etc.

# Ordering Information

For ordering information please see the part number format below, or contact us for assistance.



SC - SC Singlemode  
 1.6mm Duplex 5m

**Example Part No:**    **SC SC-9-Z16-YW-5M0**

Connector A / B		Mode		Cable Type		Colour		Whole Metres	Decimal Metres
FC/PC	<b>FC</b>	Singlemode OS1	<b>9</b>	Simplex 1.6mm	<b>S16</b>	Yellow	<b>YW</b>	Up to 125m	<b>0</b>
FC/APC	<b>FCA</b>	Singlemode OS1 G657*	<b>9B</b>	Simplex 2mm	<b>S20</b>	Orange	<b>OE</b>		<b>5</b>
LC	<b>LC</b>	Multimode 62/125 OM1	<b>62</b>	Simplex 2.8mm	<b>S28</b>	Aqua	<b>AQ</b>		
LC 45° or 90° boot	<b>CALL</b>			Duplex 1.6mm	<b>Z16</b>	Grey	<b>GY</b>		
LC short boot	<b>LCS</b>	Duplex 2mm	<b>Z20</b>	Violet	<b>VT</b>				
LC/APC	<b>LCA</b>	Multimode 50/125 OM2	<b>50</b>	Duplex 2.8mm	<b>Z28</b>				
SC	<b>SC</b>	Multimode 50/125 OM3	<b>53</b>						
SC/APC	<b>SCA</b>								
SC/APC 9°	<b>SCA9</b>	Multimode 50/125 OM4	<b>54</b>						
ST	<b>ST</b>								
E2000	<b>E2</b>								
E2000 angled	<b>E2A</b>								
EC	<b>EC</b>								
MTRJ	<b>MT</b>								
MTRJ Female	<b>MTF</b>								
MU	<b>MU</b>								

\* G657 - Bend Insensitive Cable