

Features and Benefits

Molex's Xpress G2 (second generation) Pre-Polished, Pre-Assembled Connectors provide quick reliable terminations and are easy to use.

- Quick – Assembly is achieved in under 2 minutes
- Easy to Use – No need for polishing or adhesive
- Minimal operating skills required - Ideal for onsite installations.
- No Curing required – A mechanical grip effectively holds fibre in place. An index matching gel reduces the Fresnel reflection at the surface of the optical fibre
- Low Tooling Investment – only strip and cleaving tool required
- Reliable Performance – same environmental endurance as conventional connectors
- Multiple Formats available available in SC and LC form factors
- Available in Singlemode, Multimode, Angled Polish in 900µm and 250µm format,
- The Xpress G2 pack includes:
 - 10 pcs. Connectors
 - 10 pcs. Boots
 - 1 Fibre Holder
 - 1 Assembling Jig

Technical Information

Mechanical Characteristics

Mating Durability: IL <0.1dB Change over 500 Cycles (Typical)

Insertion Loss (TYPICAL)

Singlemode PC: 0.2dB APC: 0.3dB
Multimode: 0.1dB

Return Loss (TYPICAL)

Singlemode PC: >55dB Typical, APC >66dB

Multimode: >35dB
Ferrule: Zirconia Ceramic
Housing and Boot: UL 94V-0 rated Polymer

Alignment Sleeves: Zirconia Ceramic
Operating Temperature: -40°C to +75°C

Coupling Strength: Tensile Load: 33N 5 Sec

Cable Retention: 2.2N 5 Sec 0/90 Deg

Pull Test

3Nm/1min: 0.01dB 250µm, 0.005dB 900µm
Tight Buffered Fibre



Commercial Standards

IEC61654-4, TIA/EIA 568-B.3

ORDERING INFORMATION

Order No.	SAP No.	Description
AFR-00387	182620013	LC Multimode OM1 250/900µm BF Beige 10 PC Connector Kit
AFR-00388	182620014	LC Multimode OM2 250/900µm BF Black 10 PC Connector Kit
AFR-00389	182620015	LC Multimode OM3 10g 250/900µm BF Aqua10 PC Connector Kit
AFR-00390	182620016	LC Singlemode OS1 250/900µm BF Blue 10 PC Connector Kit
AFR-00391	182620017	SC Multimode OM1 250/900µm BF Beige 10 PC Connector Kit
AFR-00392	182620018	SC Multimode OM2 250/900µm BF Black 10 PC Connector Kit
AFR-00393	182620019	SC Multimode OM3 10g 250/900µm BF Aqua 10 PC Connector Kit
AFR-00394	182620020	SC Singlemode OS1 250/900µm BF Blue 10 PC Connector Kit
AFR-00395	182620021	SC/APC Singlemode OS1 250/900µm BF APC Green 10 PC Connector Kit

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