

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 Single Mode, Multi Mode, Angled Polish in 900 μ and 250 μ format,
- The Xpress G2 pack includes:
 - 12 pcs. Connectors
 - 12 pcs. Boots
 - 1 Fiber Holder
 - 1 Assembling Jig

Technical Information

Mechanical

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

Insertion Loss (TYPICAL)

Single Mode PC: 0.2dB APC: 0.3dB
Multimode: 0.1dB

Return Loss (TYPICAL)

Single Mode 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 250 μ ,
0.005dB 900 μ Tight Buffered Fibre



Compliant with:
IEC61654-4, TIA/EIA 568-B.3

Ordering Information

Order No.	SAP No.	Description
AFR-00387	182620013	SC Single Mode OS1 900 μ BF PC Blue 12 pc kit
AFR-00388	182620014	SC Multimode OM2 900 μ BF PC Black 12 pc kit
AFR-00389	182620015	SC Multimode OM1 900 μ BF PC Beige 12 pc kit
AFR-00390	182620016	SC Multimode OM3 10G 900 μ BF PC Aqua 12 pc kit
AFR-00391	182620017	SC/APC Single Mode OS1 900 μ BF APC Green 12 pc kit
AFR-00392	182620018	LC Single Mode OS1 900 μ BF UPC Blue 12 pc kit
AFR-00393	182620019	LC Single Mode OS1 250 μ BF UPC Blue 12 pc kit
AFR-00394	182620020	LC Multimode OM2 900 μ BF PC Black 12 pc kit
AFR-00395	182620021	LC Multimode OM2 250 μ BF PC Black 12 pc kit
AFR-00396	182620022	LC Multimode OM1 900 μ BF PC Beige 12 pc kit
AFR-00397	182620023	LC Multimode OM1 250 μ BF PC Beige 12 pc kit
AFR-00398	182620024	LC Multimode OM3 10G 900 μ BF PC Aqua 12 pc kit
AFR-00399	182620025	LC Multimode OM3 10G 250 μ BF PC Aqua 12 pc kit
AFR-00400	182620026	SC Multimode OM3 10G 250 μ BF PC Aqua 12 pc kit
AFR-00401	182620027	SC Multimode OM1 250 μ BF PC Beige 12 pc kit
AFR-00402	182620028	SC Multimode OM2 250 μ BF PC Black 12 pc kit
AFR-00403	182620029	SC Single Mode OS1 250 μ BF PC Blue 12 pc kit
AFR-00404	182620030	SC/APC Single Mode OS1 250 μ BF APC Green 12 pc kit

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