

Fiber Optic Patch Cords



The LongXing brand of fiber cable assemblies are designed and manufactured in LongXing's ISO9001 registered facility. The product range covers both single mode and multimode patch cords and pigtails which are fully qualified to RoHS standards. Assemblies are available in all major fiber optic connector types; a range of cable color options available.

LongXing supplies top quality optical fiber patch cord with very competitive prices, every single piece of patch cord is tested in the workshop before delivering to the customer. LongXing's standard technical specifications are listed below; Customer/special requirements are welcomed.

Detailed Technical Specification

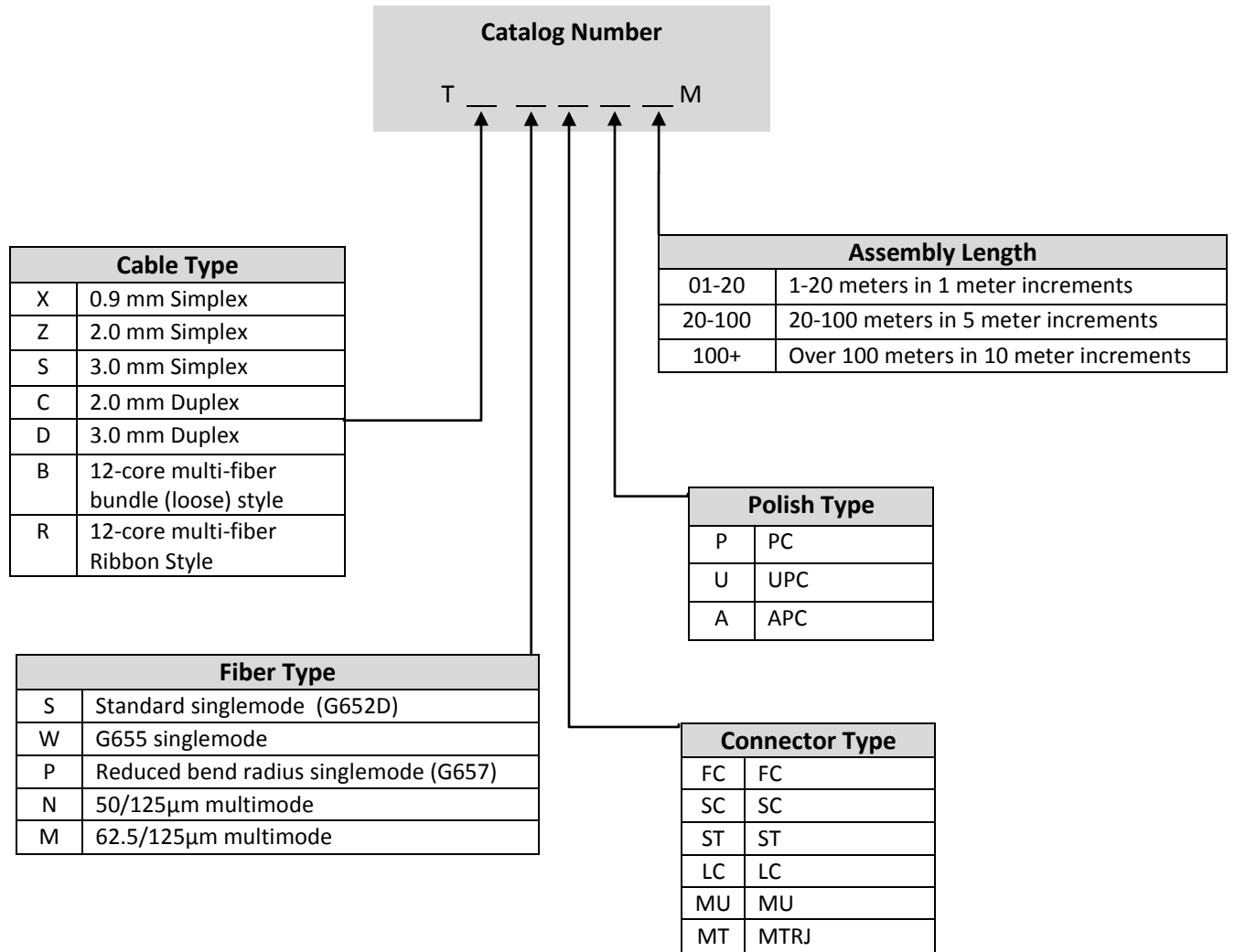
Characteristics	Unit	Value/Performance
Return Loss(RL)	dB	PC \geq 45 UPC \geq 50 APC \geq 55
Insertion Loss(IL)	dB	PC \leq 0.35 UPC \leq 0.30 APC \leq 0.20
Operating Temperature	°C	-40°C~+80°C
Installation Temperature	°C	-40°C~+80°C
Storage Temperature	°C	-40°C~+80°C
Endurance	dB	Δ IL \leq 0.2
Radius of Curvature(R)	mm	\geq 30
Apex Offset	um	\leq 50
Drop (1.5m, 5 drops)	dB	Δ IL \leq 0.2, no damage
Vibration (10-55Hz, 0.75mm amplitude)	dB	Δ IL \leq 0.2
Flex (0.9kg, \pm 90°, 100cycles, for 2mm or larger cable)	dB	Δ IL \leq 0.2
Twist (1.35kg load, +2.5 turns, 10 cycles, for 2mm or larger cable)	dB	Δ IL \leq 0.2
Pull Proof (3.4kg at 90°, 6.8kg at 0°, for 2mm or larger cable)	dB	Δ IL \leq 0.2
Static Bending (60mm diameter 10 turns)	dB	Δ IL \leq 0.2
Crushing (102kg for 2mm or larger cable, 10.2kgfor 900m cable)	dB	Δ IL \leq 0.2
Salt mist	n/a	No sign of corrosion
Cold (20°C, 96 hrs)	dB	Δ IL \leq 0.2
Dry Heat (70°C, 96 hrs)	dB	Δ IL \leq 0.2
Damp Heat (40°C, 95%RH, 96 hrs)	dB	Δ IL \leq 0.2

Characteristics	Unit	G652 SM	G655 SM	Std.50um	62.5um
Max, Attenuation	dB/km (nm)	0.4 / 0.3 (1310 / 1550)	0.3 (-1550)	2.8 (-850)	3 (-850)
Min, Bandwidth	nm ² • km (nm)			500 / 500 (850 / 1300)	200 / 200 (850 / 1300)
Dispersion Coefficient	ps/nm ² • km	\leq 3.5 (1310nm)	1.0-6.0 (1550nm)		

Updated on 24 August, 2011

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of LongXing is indicative only and shall not be binding on LongXing or be treated as constituting a representation on the part of LongXing.

Ordering information:



Note:

- **For hybrid patch cords** (different connectors on two ends), add the code of connector type and polish type for the second end after the first end, separate them with a slash mark. See example 2 below.
- Other cable/fiber/connector styles are available upon request.

Ordering Examples:

1. TXSFCU10M: Standard singlemode 0.9mm simplex patch cord with FC/UPC connectors on both ends, 10 meters in length.
2. TSSFCU/SCU20M: Standard singlemode 3.0mm simplex patch cord with FC/UPC connector on one end and SC/UPC connector on the other end, 20 meters in length.

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