



## Armoured Patch Cords

Enhanced armoured patch cords, constructed with a helical stainless steel tape over a buffered fibre surrounded by a layer of aramid and stainless steel mesh with an outer Low Smoke Zero Halogen (LSZH) jacket. They are used in outdoor applications in customer premises, central offices and in harsh environments.

### Applications

- Harsh environment applications
- Military applications
- FTTx
- LAN and WAN
- Broadband network
- PON
- CATV / VIDEO

### Features

- Easy installation
- Available with SC, LC, ST and FC connectors
- Available in different fibre types and custom lengths
- Low Smoke Zero Halogen (LSZH) jacket
- IEC, TIA/EIA and Telcordia compliant
- REACH, SvHC and RoHS compliant

## Specifications

### Connector Specification

| OPTICAL PERFORMANCE            | SINGLEMODE | MULTIMODE |
|--------------------------------|------------|-----------|
| IL Max/Master (Acceptance)     | 0.30dB     | 0.30dB    |
| Ave/Master                     | 0.18dB     | 0.2dB     |
| Ave/Random                     | 0.18dB     | -         |
| Return Loss Singlemode UPC/APC | 45/60 dB   | NA        |

### Fibre Specification

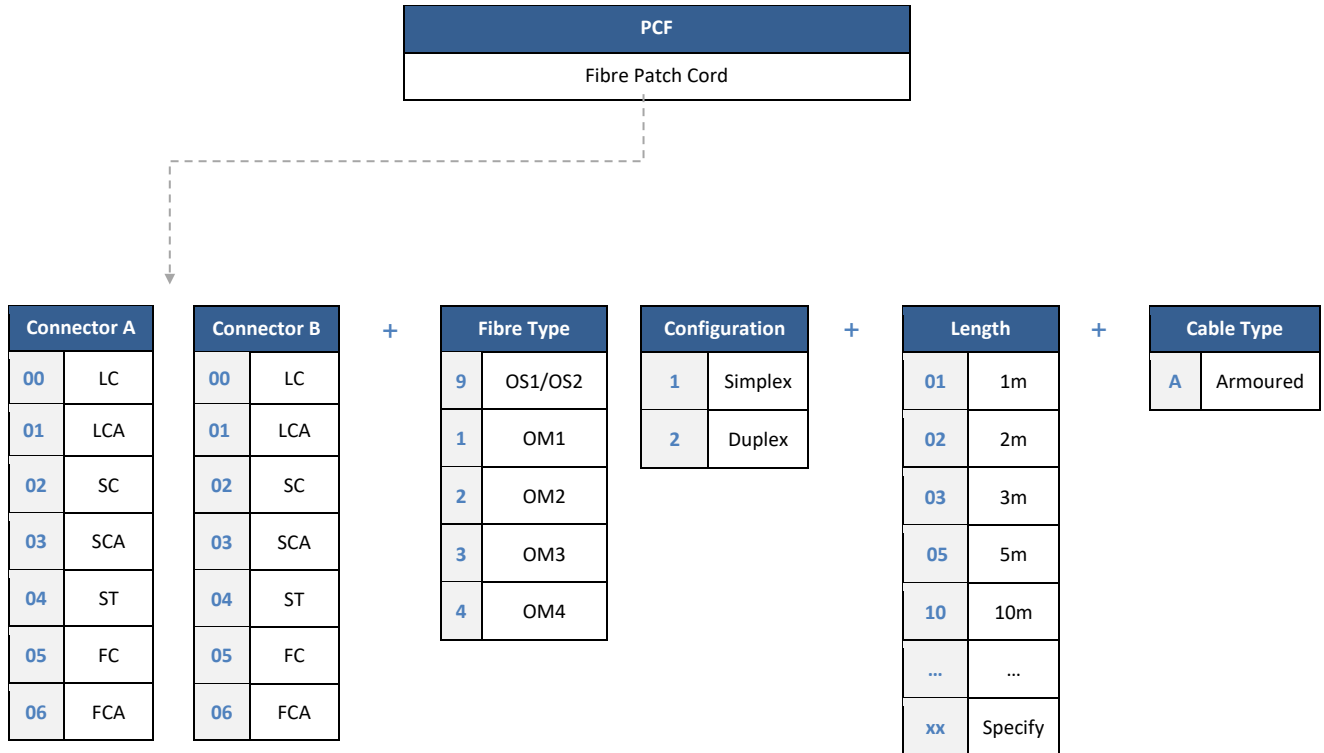
#### CHARACTERISTICS

|  |                               |
|--|-------------------------------|
| Attenuation (dB/km) Singlemode               | 0.40 @ 1310nm / 0.30 @ 1550nm |
| Chromatic Dispersion (ps/nm x km) Singlemode | 3.0 @ 1310nm / 18.0 @ 1550nm  |
| Attenuation (dB/km) Multimode                | 2.8 @ 850nm / 0.8 @ 1300nm    |

### Cable Specification

| CHARACTERISTICS            | SIMPLEX   | DUPLEX      |
|----------------------------|---|-------------|
| Cable Material             | LSZH  | LSZH        |
| Strength Member            | Aramid  | Aramid      |
| Tensile (N) long term      | 80  | 80          |
| Tensile (N) short term     | 150   | 150         |
| Crush (N) long term        | 1000  | 1000        |
| Crush (N) short term       | 3000  | 3000        |
| Impact                     | 1 N.m, additional att≤0.1dB, sheath no crack  |             |
| Repeating bending          | 40N, 200cycles, additional att≤0.4dB, sheath no crack   |             |
| Torsion                    | 40 N, 10cycles, ±180°, additional att≤0.4dB, sheath no crack  |             |
| Operating Temperature (°C) | -20 to +60  | -20 to +60  |
| Fire Specification         | IEC 60332-1   | IEC 60332-1 |
| Salt spray                 | 35±2 °C, 48 h, brine concentration 5%,<br>Appearance without exception, steel pipe without rust marks |             |

## Ordering Information



### Examples:

**PCF-0100-92-05-A** – Patch Cord LC/APC-LC/UPC Singlemode G.657A1 Duplex Armoured 5m  
**PCF-0204-41-10 -A-** Patch Cord SC/UPC-ST/UPC Mutlimode OM4 Simplex Armoured 10m

## Technical Drawing

*Simplex Patchcord Armoured*

*Duplex Patchcord Armoured*

