

## Reduced Bend Sensitivity Patch Cords

Reduced bend sensitivity patch cords, available in multimode (OM3, OM4) and singlemode (G.657.A1, G.657.A2) classes. They consist of a high quality Low Smoke Zero Halogen (LSZH) cable and low loss optimized connectors. These assemblies are designed and manufactured to perform with a very low optical loss under bend conditions, while remaining compatible with conventional cabling infrastructure. They fully conform to ISO/IEC and TIA/EIA standards.

### Applications

- Telecommunication networks
- Data centres
- High Bandwidth Ethernet
- Fibre Channel
- Storage Area Networks

### Features

- FTTH installations in existing buildings
- FTTH cabling in POPs, MDU distribution points and subscriber connections
- Data centres where network uptime is critical
- Generally, when small radius installation is needed or the cabling may be subjected to occasional small radius events

## Specifications

### Termination Specification

General mechanical and optical specifications of RBS Patch Cords are as per corresponding standard products including IEC and TIA/EIA standards conformance.

FIBRE CLASS	GUIDELINE RADIUS
Standard Multimode and Singlemode	30mm

### Reduced Bend Sensitivity Multimode

FIBRE CLASS	FIBRE STANDARD	GUIDELINE RADIUS	RADIUS TURNS	LOSS AT 850NM	LOSS AT 1300NM
OM3 RBS	OM3	10mm	15mm <sup>2</sup>	≤ 0.1 dB	≤ 0.3 dB
OM4 RBS	OM4	10mm	7.5mm <sup>2</sup>	≤ 0.2 dB	≤ 0.4 dB

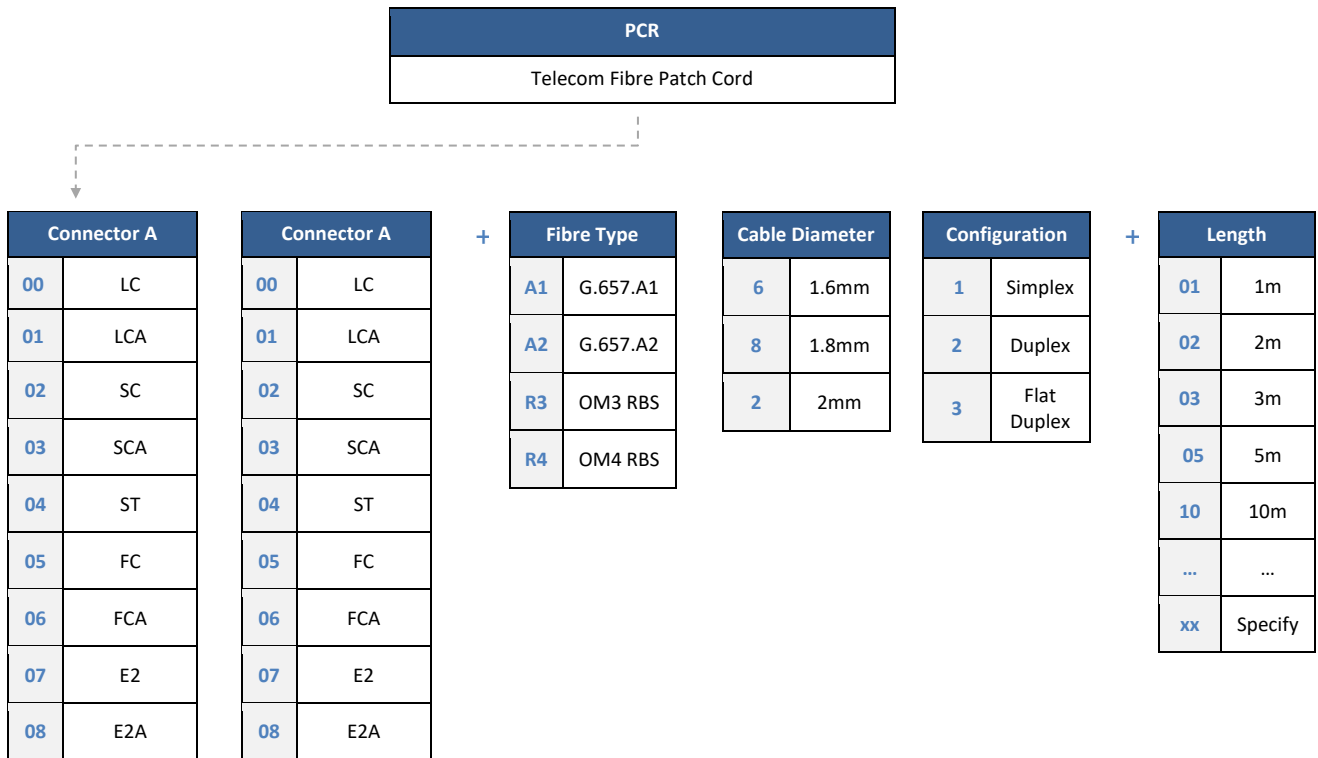
### Reduced Bend Sensitivity Singlemode

FIBRE CLASS	FIBRE STANDARD	GUIDELINE RADIUS	LOSS AT 1550NM 15MM RADIUS 10 TURNS	LOSS AT 1550NM 10MM RADIUS 1 TURN	LOSS AT 1550NM 7.5MM RADIUS 1 TURN
657A1	ITU-TG657A1/OS1/OS2	15mm	≤ 0.25 dB	≤ 0.75 dB	-
OM4 RBS	ITU-TG657A2/OS1/OS2	7.5mm	≤ 0.03 dB	≤ 0.1 dB	≤ 0.5 dB

## Standards Compliance

- TIA/EIA-568-C.3 and ISO/IEC 11801
- IEC-61754-7 & EIA/TIA-604-5
- NFPA 262 (OFNP) or IEC 60332 (LSZH)
- IEC-60793

## Ordering Information



### Examples:

**PCR-0000-A162-15** – RBS Patch Cord LC/UPC – LC/UPC Singlemode G.657.A1 Duplex 1.6mm LSZH 15m

**PCR-0002-R322-05** – RBS Patch Cord LC/UPC – SC/UPC Multimode OM3 Duplex 2mm LSZH 5m