



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.

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

Applications

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

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 ²	≤ 0.1 dB	≤ 0.3 dB
OM4 RBS	OM4	10mm	7.5mm ²	≤ 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

	Connector A		Connector B		Fibre Type		Cable Diameter		Configuration		Length	
OPCR	00	LC	00	LC	A1	G.657.A1	6	1.6mm	1	Simplex	01	1m
	01	LCA	01	LCA	A2	G.657.A2	8	1.8mm	2	Duplex	02	2m
	02	SC	02	SC	R3	OM3 RBS	2	2mm	3	Flat Duplex	03	3m
	03	SCA	03	SCA	R4	OM4 RBS					05	5m
	04	ST	04	ST							10	10m
	05	FC	05	FC						
	06	FCA	06	FCA							xx	Specify
	07	E2	07	E2								
	08	E2A	08	E2A								

Example order code

OPCR	-	00	00	-	A1	6	2	-	15
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RBS Patch Cord LC/UPC – LC/UPC Singlemode G.657.A1 Duplex 1.6mm LSZH 15m

OPCR	-	00	02	-	R3	2	2	-	05
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RBS Patch Cord LC/UPC Short Boot – SC/UPC Short Boot Multimode OM3 Duplex 2mm LSZH 5m