

## LC/UPC-SC/APC

## PATCHCORD DATASHEET

### Connector LC properties

Connector LC	Multimode OM1, OM2, OM3, OM4	Singlemode OS2
Polishing	UPC	UPC
Return loss	≤ 20 dB	≤ 55 dB
Insertion loss	≤ 0,3 dB	0,15 dB (typical)
Ferrule material	Ceramic (zirkonía)	Ceramic (zirkonía)
Ferrule diameter	1,25 mm	1,25 mm
Instion/extraction cycles	min. 1000	min. 1000

### Connector SC properties

Connector SC	Multimode OM1, OM2, OM3, OM4	Singlemode OS2
Polishing	APC	APC
Return loss	≤ 35 dB	≤ 50 dB
Insertion loss	≤ 0,3 dB	0,15 dB (typical)
Ferrule material	Ceramic (zirkonía)	Ceramic (zirkonía)
Ferrule diameter	2,5mm	2,5 mm
Instion/extraction cycles	min. 1000	min. 1000

### Cable properties

Cabled optical fibre	OM1	OM2	OM3	OM4	OS2
Nominal diameter core/ sheath	62,5/125 µm	50/125 µm	50/125 µm	50/125 µm	09/125 µm
Color	orange	orange	tuquoise	purple	Yellow
Auter diameter	1,8 mm	1,8 mm	1,8 mm	1,8 mm	1,8 mm
Sheath material	LSOH	LSOH	LSOH	LSOH	LSOH
Beding radius (static)	45 mm	45 mm	45 mm	45 mm	45 mm
Temperature range	-20°C to+70°C	-20°C to+70°C	-20°C to+70°C	-20°C to+70°C	-20°C to+70°C
Attenuation @ 850/ 1300nm (dB/km)	≤3,2/≤0,8	≤3,2/≤0,8	≤3,2/≤0,8	≤3,2/≤0,8	≤3,2/≤0,8
Attenuation @ 1310/1383/1550 nm (dB/km)	-	-	-	-	≤0,4/≤0,4/≤0,4

Bandwidth	OM1	OM2	OM3	OM4
850/1300 nm (MHz.km) @ LED	200/500	500/500	1500/500	3500/500
850 nm (MHz.km) @LASER	-	-	2000	4700

