

fiber solutions  
**OPTIX**  
**ST-ST**



## PATCHCORDS DATASHEET

### connector LC properties

Connector LC	multimode OM1, OM2, OM3, OM4	singlemode OS2
Polishing	PC	PC
Return loss	≥ 20 dB	≥ 55 dB
Insertion loss	≤ 0,3 dB	0,15 dB (typical)
Ferrule material	ceramic (zirconia)	ceramic (zirconia)
Ferrule diameter	1,25 mm	1,25 mm
Insertion / 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	9 / 125 µm
Color	orange	orange	turquoise	purple	yellow
Outer diameter	3 mm	3 mm	3 mm	3 mm	3 mm
Sheath material	LSOH	LSOH	LSOH	LSOH	LSOH
Bending 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 / 1300 nm (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