

TECHNICAL DATA SHEET**Description MM & SM FIBER OPTIC PATCH CORDS**

Optotecnika fiber optic assemblies are manufactured in state of the art facilities using the best components. All terminations pass 400x visual inspection, insertion and return loss test. We provide full traceability and a test certification is supplied with each assembly. Our patch cords are Telcordia and RoHS compliant.

They are made for a high degree of flexibility and customization. We support most connectors, fiber types, cable diameters and colors. Our products are designed to offer high performance and exceed industry standards. In addition Optotecnika offers different levels of optical performances to meet customer requirements.

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They are available in SM (OS2) and MM (OM1, OM2, OM3, OM4) as well as bend insensitive single mode fiber G657A and can be terminated with all standard connectors. (LC,SC,ST,FC) both in PC and APC .

Constructed of high-quality fiber optic cable and components for future-proof support of critical data center links including 10, 40 and 100Gb/s .

Factory terminated and tested connections guarantee maximum channel throughput without the performance variability of field terminations .

Each of the connector marked with individual IL and RL measurement together with production date. Additionally, on request supplied with geometrical interferometer connector face measurement report.

Features

- Conform to IEC, EIA-TIA and Telcordia performance requirements
- All Assemblies are machine polished providing highest quality
- Available in custom made length and fibre glass.
- Different type of LC Connectors Standard Duplex, Uniboot and Uniboot Quick release Pull-Tab.
- All Assemblies are factory tested and come with test certificate
- Attenuation and Return Loss values specified against reference connectors.

Applications

- Telecommunication networks, long distance transmission
- CWDM, DWDM, WDM networks
- Networks with low reserve of power budget

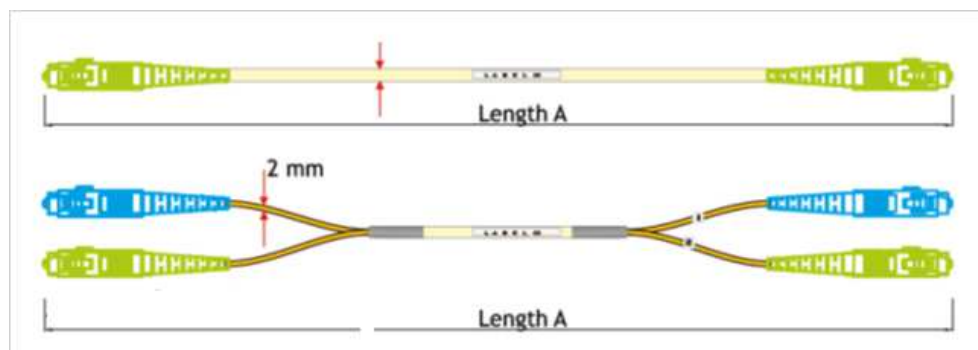
Optotecnika standard LSZH patch cords jackets are coloured as follows :

Singlemode OS2 : Blue or Yellow
Multimode OM1 : Orange
Multimode OM2 : Green
Multimode OM3 : Aqua
Multimode OM4 : Violet



Termination Specs

PARAMETER	UNITS	SINGLE MODE		MULTI MODE	
		Premium	Standard	Premium	Standard
Ferrule OD 2.5MM	mm	2.4990 +/- 0.0005	2.4990 +/- 0.0005	2.4990 +/- 0.0005	2.4990 +/- 0.0001
Ferrule OD 1.25 MM	mm	1.2490 +/- 0.0005	1.2490 +/- 0.0005	1.2490 +/- 0.0005	1.2490 +/- 0.0001
Ferrule ID	um	125.5 + 1/-0	125.5 + 1/-0	126 + 1/-0	126 + 2/-0
Concentricity (</=)	µm	0,5	1	1	2
MAX IL (</=)	dB	0,15	0,3	0,15	0,3
AVG IL (</=)	dB	0,12	0,2	0,08	0,18
RANDOM IL (</=)	dB	0,12	0,18	0,1	0,2
RANDOM IL 97% (</=)	dB	0,3	0,4	0,25	0,4
RL UPC/APC (>/=)	dB	55/65	55/65	28	28
EF VISUAL CHECK		100%	100%	100%	100%
PASS RATE		100%	100%	100%	100%
EF 3D CHECK		100%	10%	50%	10%
PASS RATE		100%	100%	100%	100%



ST



SC



FC



LC



E2000



Ordering Informations

Generic code

WF	-	z	z	-	X	X	0	y	.	0	-	X	X
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zz on the ordering code means type of fiber used (example M3=OM3 ; 03=OS2 simplex; 04=OS2 duplex 06=OM2 ; 02=OM1 ; M4=OM4)

XX on the ordering code means type of connector on the end of the patchcord (example: SC; LC; ST; FC)

y on the ordering code means lenght of the patchcord in meters (example: 01.0 = 1 mt. ; 02.0 = 2 mt)

Although Optotecnika has taken precautions to ensure the accuracy of the product specifications at the time of publication, however, we cannot be responsible for the errors, omissions, or changes due to obsolescence. All data contained herein is subject to change without notice.