

Tuned Pigtail and Patchcord Q-Fiber

Description

Tuned Pigtails and Patchcords Q-Fiber are a sample of our highest quality fiber optic technology products. Thanks to the exclusive use top of the range materials and to the commitment of our experienced engineering staff, Q-Fiber products are the cutting edge of transmission connections. Our specialist team supporting the whole production process, make it possible to achieve the lowest attenuation values of fiber optic patchcords and pigtails. Good quality connectors with low insertion loss are used in long-range transmissions, especially for lines where the optical power budget plays a crucial role. Each product is made strictly according to the customer specifications, making Q-Fiber patchcords and pigtails be performant in any configuration.



Application

Telecommunications, CATV,Monitoring,Industry, LAN, MAN,WAN,FTTx, Measuring Elements.

Properties

- Any length (length tolerance):
 - to 0,50m ± 5cm
 - to 5m ± 10cm
 - to 20m ± 20cm
 - Above 20m ± 1%
- Cable LSOH,
- Top of the range connectors with ceramic ferrule
 - Ferrule hole concentration < 0.5µm
 - Ferrule hole diameter 125.2 - 125.7 µm
- Tuned Connectors,
- Compliance with the following standards: ZN-05/TP SA-044, ZN-96/TPSA-07,PN-EN 50377, IEC 61754, IEC 61755,
- RoHS Compliance.

Polishing standards

- UPC
- APC 8°
- APC 9°

Parameters

	Ceramic ferrule (SC,LC,E2000)					
	SM/PC			SM/APC		
	Grade B	Grade A	0.1dB	Grade B	Grade A	0.1dB
Maximum insertion loss [dB]	≤ 0,25(grade B)	≤ 0,15(grade A)	≤ 0,10(grade A+)	≤ 0,25(grade B)	≤ 0,15(grade A)	≤ 0,10(grade A+)
Typical insertion loss [dB]	≤ 0,12(grade B)	≤ 0,07(grade A)	≤ 0,07(grade A)	≤ 0,12(grade B)	≤ 0,07(grade A)	≤ 0,07(grade A)
Reflection [dB]	≥ 50(grade 2+)	≥ 50 (grade 2+)	≥ 50 (grade 2+)	≥ 65 (grade 1+)	≥ 70 (grade 1+)	≥ 70 (grade 1+)
Radius of curvature [mm]	5 ÷ 30(grade B)	7 ÷ 25(grade B)	7 ÷ 25(grade B)	5 ÷ 12(grade B)	5 ÷ 12(grade B)	5 ÷ 12(grade B)
Apex offset [µm]	0 ÷ 50(grade B)	0 ÷ 50(grade B)	0 ÷ 50(grade B)	0 ÷ 50(grade B)	0 ÷ 50(grade B)	0 ÷ 50(grade B)
Maximum angle error [°]	0,2 (grade B)	0,2 (grade B)	0,2 (grade B)	0,2 (grade B)	0,2 (grade B)	0,2 (grade B)
Fiber height* [nm]	-100÷A** (grade B)	-60÷A**(grade B+)	-60÷A**(grade B+)	-100÷A**(grade B+)	-60÷A**(grade B+)	-60÷A**(grade B+)

*negative value indicates the extension of a fibre

*calculated from the formula based on other geometric parameters,see technical requirements at www.dll.com.pl

***possibility to order connectors of different parameters, according to the standards of the customer.

Photos



Types of connector



SC Q-Fiber



LC Q-Fiber



SC R&M



LC R&M



E2000 R&M

How to order:

FIG.TA

FIG.TB

Cable type:
S=Simplex
D=Duplex

Cable diameter:
09=0,9 mm
18=1,8 mm
24=2,4 mm
28=2,8 mm
X=Other

Core type:
S2=SM G.652D
S7=SM G657a
B3=SM G657B3

Connector:
S=SC
L=LC
E=E2000

Polishing standard:
U=UPC
A8=APC 8°
A9=APC 9°

Length:
0001=0,1 m
:
0010=1 m
0020=2 m
:
0100=10 m
:

PAT.TA

PAT.TB

Cable type:
S=Simplex
D=Duplex

Cable diameter:
09=0,9 mm
18=1,8 mm
24=2,4 mm
28=2,8 mm
X=Other

Core type:
S2=SM G.652D
S7=SM G657a
B3=SM G657B3

Connector A:
S=SC
L=LC
E=E2000

Polishing standard:
U=UPC
A8=APC 8°
A9=APC 9°

Connector B:
S=SC
L=LC
E=E2000

Polishing standard:
U=UPC
A8=APC 8°
A9=APC 9°

Length:
0001=0,1 m
:
0010=1 m
:
0020=2 m
:
0100=10 m
:

*FIG.TA - tuned pigtail Grade A

*FIG.TB - tuned pigtail Grade B

*PAT.TA - tuned patchcord Grade A

*PAT.TB - tuned patchcord Grade B

Information

- Product packed in a bag,
- Each product is accompanied by a measurement protocol ,
- Ferrule secured cover.