

# Q-Fiber Pigtails and Patchcords

## Description

**Q-Fiber Pigtails and Patchcords** are high-class fiber optic technology products. High quality production materials and the involvement of experienced engineers guarantee the best quality transmission. Special apparatus assisted manufacturing progress helps maintain the highest performance of our pigtails and patchcords which are perfectly suitable for switching optical circuits as well as connecting transmission equipment. Each product is customized, which means pigtails and patchcords can come in any configuration.



## Application

Telekommunikation, 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,
- Standard color: ivory RAL 9010,
- Ceramic connector ferrule,
- Compliance with the following standards: ZN-05/TP SA-044, ZN-96/TPSA-07, IEC 61754, IEC 61755,
- RoHS Compliance.

## Polishing standards:

- FLAT
- PC
- UPC
- APC 8°
- APC 9°

## Parameters

	Ceramic Ferrule (SC, ST, FC, LC, MU, E2000, DIN)						MT Ferrule (MTRJ)	
	MM/PC		SM/PC		SM/APC		MM/PC	SM/PC
	Standard	Premium	Standard	Premium	Standard	Premium	Standard	Premium
Maximum insertion loss [dB]	≤ 0,6(grade BM)	≤ 0,25(grade B)	≤ 0,5(grade C)	≤ 0,25(grade B)	≤ 0,5(grade C)	≤ 0,25(grade B)	≤ 0,6(grade BM)	≤ 1,0(grade D)
Typical insertion loss [dB]	≤ 0,35(grade BM)	≤ 0,12(grade B)	≤ 0,25(grade C)	≤ 0,12(grade B)	≤ 0,25(grade C)	≤ 0,12(grade B)	≤ 0,35(grade BM)	≤ 0,5(grade D)
Reflection [dB]	≥ 20(grade 2M)	≥ 26 (grade 4)	≥ 45 (grade 2)	≥ 45 (grade 2)	≥ 65 (grade 1)	≥ 65 (grade 1)	≥ 20 (grade 2M)	≥ 26 (grade 4)
Radius of curvature [mm]	5 + 30(grade D)	5 + 30(grade C)	5 + 30(grade C)	7 + 25(grade B)	5 + 12(grade C)	5 + 12(grade B)	-	-
Apex offset [µm]	0 + 50(grade D)	0 + 50(grade C)	0 + 50(grade C)	0 + 50(grade B)	0 + 50(grade C)	0 + 50(grade B)	-	-
Maximum angle error [°]	0,6 (grade D)	0,3 (grade C)	0,3 (grade C)	0,2 (grade B)	0,3 (grade C)	0,2 (grade B)	0,2	0,2
Fiber height** [nm]	-100+100**(grade D)	-100+A**(grade C)	-100+A**(grade C)	-60+A**(grade B)	-100+A**(grade C)	-60+A**(grade B)	-3,2+1µm	-3,2+1µm

\*negative value indicates the extension of a fibre

\*\*calculated from the formula based on other geometric parameters, see technical requirements at [www.dllpartners.de](http://www.dllpartners.de)

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

## Photos



## Types of connectors



ST



FC



SC



LC



MU



E2000



DIN



FDDI



MTRJ

## How to order

### PIG

**Cabletype:**  
S=Simplex  
D=Duplex

**Cable diameter:**  
09=0.9mm  
18=1.8mm  
24=2.4mm  
28=2.8mm  
X=Other

**Coretype:**  
S2=SMG.652D  
S7=SMG657a  
M1=MM620M1  
M2=MM500M2  
M3=MM500M3  
M4=MM500M4

**Connector:**  
S=SC  
T=ST  
F=FC  
L=LC  
E=E2000  
M=MU  
D=DIN  
I=FDDI  
R=MTRJ

**Polishing standard:**  
F=Flat  
P=PC  
U=UPC  
A8=APC8°  
A9=APC9°

**Length:**  
0001=0.1m  
:  
0010=1m  
0020=2m  
:  
0100=10m  
:

### PAT

**Cabletype:**  
S=Simplex  
D=Duplex

**Cable diameter:**  
09=0.9mm  
18=1.8mm  
24=2.4mm  
28=2.8mm  
X=Other

**Coretype:**  
S2=SMG.652D  
S7=SMG657a  
M1=MM620M1  
M2=MM500M2  
M3=MM500M3  
M4=MM500M4

**ConnectorA:**  
S=SC  
T=ST  
F=FC  
L=LC  
E=E2000  
M=MU  
D=DIN  
I=FDDI  
R=MTRJ

**Polishing standardsA:**  
F=Flat  
P=PC  
U=UPC  
A8=APC8°  
A9=APC9°

**ConnectorB:**  
S=SC  
T=ST  
F=FC  
L=LC  
E=E2000  
M=MU  
D=DIN  
I=FDDI  
R=MTRJ

**Polishing standardsB:**  
F=Flat  
P=PC  
U=UPC  
A8=APC8°  
A9=APC9°

**Length:**  
0001=0.1m  
:  
0010=1m  
:  
0020=2m  
:  
0100=10m  
:

\*In order to a Pigtail.Patchcord Premium on has to use the catalogue code, i.e.: PIG.P lub PAT.P.  
e.g.: PIG.P-S-09-S2-U-0025

## Information

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