

# 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 process 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

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

## Properties

- » Any length (length tolerance is up to 3 m: 3%, above: 1%)
- » Cable LSOH
- » Ceramic connector ferrule (termoplastic/termoset for MTRJ)
- » 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

- » 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	Standard
Maximum insertion loss [dB]	≤ 0.6 (grade Bw)	≤ 0.25 (grade B)	≤ 0.5 (grade C)	≤ 0.25 (grade B)	≤ 0.5 (grade C)	≤ 0.25 (grade B)	≤ 0.6 (grade Bw)	≤ 1.0 (grade D)
Typical insertion loss [dB]	≤ 0.35 (grade Bw)	≤ 0.12 (grade B)	≤ 0.25 (grade C)	≤ 0.12 (grade B)	≤ 0.25 (grade C)	≤ 0.12 (grade B)	≤ 0.35 (grade Bw)	≤ 0.5 (grade D)
Reflection [dB]	≥ 20 (grade 2w)	≥ 26 (grade 4)	≥ 45 (grade 2)	≥ 45 (grade 2)	≥ 60 (grade 1)	≥ 60 (grade 1)	≥ 20 (grade 2w)	≥ 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 ÷ 30 (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)	0.5 (grade D)	0.5 (grade D)
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 ÷ -1 µm	-3,2 ÷ -1 µm

\* 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](http://www.dll.com.pl)

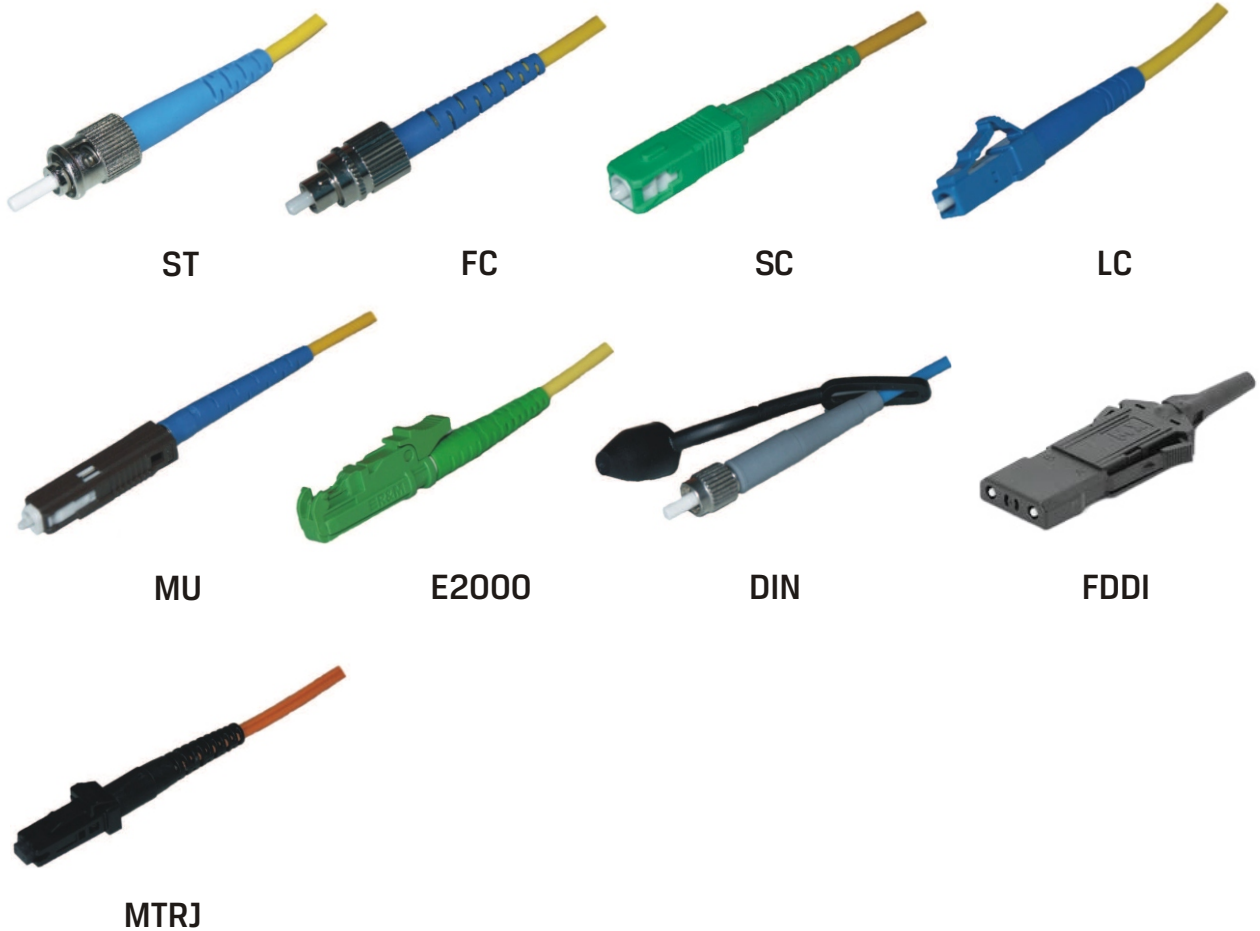
\*\*\* possibility to order connectors of different parameters, according to the standards of the customer

## Photos



# Q-Fiber Pigtails and Patchcords

## Types of connectors



## How to order

PIG							
<b>Cable type:</b> S=Simplex D=Duplex	<b>Cable diameter:</b> 09=0.9 mm 18=1.8 mm 24=2.4 mm 28=2.8 mm X=Other	<b>Core type:</b> S2=SM G.652D S7=SM G657a M1=MM 62 OM1 M2=MM 50 OM2 M3=MM 50 OM3 M4=MM 50 OM4	<b>Connector:</b> S=SC T=ST F=FC L=LC E=E2000 M=MU D=DIN I=FDDI R=MTRJ	<b>Polishing standard:</b> F=Flat P=PC U=UPC A8=APC 8° A9=APC 9°	<b>Length:</b> 0001=0.1 m : 0010=1 m 0020=2 m : 0100=10 m : :		
PAT							
<b>Cable type:</b> S=Simplex D=Duplex	<b>Cable diameter:</b> 09=0.9 mm 18=1.8 mm 24=2.4 mm 28=2.8 mm X=Other	<b>Core type:</b> S2=SM G.652D S7=SM G657a M1=MM 62 OM1 M2=MM 50 OM2 M3=MM 50 OM3 M4=MM 50 OM4	<b>Connector A:</b> S=SC T=ST F=FC L=LC E=E2000 M=MU D=DIN I=FDDI R=MTRJ	<b>Polishing standards A:</b> F=Flat P=PC U=UPC A8=APC 8° A9=APC 9°	<b>Connector B:</b> S=SC T=ST F=FC L=LC E=E2000 M=MU D=DIN I=FDDI R=MTRJ	<b>Polishing standards B:</b> F=Flat P=PC U=UPC A8=APC 8° A9=APC 9°	<b>Length:</b> 0001=0.1 m : 0010=1 m : 0020=2 m : 0100=10 m : :

\*In order to order a Pigtail/Patchcord Premium one has to use the catalogue code, i.e. PIG.P or PAT.P  
i.e. PIG-S-09-S2-U-0025

## Information

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