

Q-Fiber Pigtails and Patchcords G657.B3

Description

Q-Fiber G657.B3 Patchcords and Pigtails are designed for indoor applications. According to the minimum bending radius (5 mm), G657.B3 fibers allows for quick and easy installation. LSZH coating provides not spread flames and non-flammable. Q-Fiber pigtails and patchcords are perfectly suitable for installation in narrow cable ducts, 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, LAN, FTTx.

Properties

- » Any length (length tolerance is up to 3 m: 3%, above: 1%),
- » Cable LSOH,
- » Standard color: white (yellow on request),
- » Ceramic connector ferrule,
- » 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 of connectors

Parameter	Ceramic ferrule (SC, ST, FC, LC, MU, E2000, DIN)			
	SM/PC		SM/APC	
	Standard	Premium	Standard	Premium
Maximum insertion loss [dB]	≤ 0,5 (grade C)	≤ 0,25 (grade B)	≤ 0,5 (grade C)	≤ 0,25 (grade B)
Typical insertion loss [dB]	≤ 0,25 (grade C)	≤ 0,12 (grade B)	≤ 0,25 (grade C)	≤ 0,12 (grade B)
Reflection [dB]	≥ 45 (grade 2)	≥ 45 (grade 2)	≥ 60 (grade 1)	≥ 60 (grade 1)
Radius of curvature [mm]	5 ÷ 30 (grade C)	7 ÷ 25 (grade B)	5 ÷ 12 (grade C)	5 ÷ 12 (grade B)
Apex offset [µm]	0 ÷ 50 (grade C)	0 ÷ 50 (grade B)	0 ÷ 50 (grade C)	0 ÷ 50 (grade B)
Maximum angle error [°]	0,3 (grade C)	0,2 (grade B)	0,3 (grade C)	0,2 (grade B)
Fiber height* [nm]	-100 ÷ A** (grade C)	-60 ÷ A** (grade B)	-100 ÷ A** (grade C)	-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.dllpartners.de (or www.dll.com.pl)

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

G657.B3 fiber parameters

- » Attenuation (max.) for wavelength 1310 nm: ≤ 0,4 dB,
- » Attenuation (max.) for wavelength 1550 nm: ≤ 0,3 dB,
- » Macro-bend induced attenuation, 1 turn 5 mm radius for wavelength 1550 nm: ≤ 0,10 dB,
- » Macro-bend induced attenuation, 1 turn 7,5 mm radius for wavelength 1550 nm: ≤ 0,07 dB,
- » Macro-bend induced attenuation, 1 turn 7,5mm radius for wavelength 1625 nm: ≤ 0,15 dB,
- » Macro-bend induced attenuation, 1 turn 10 mm radius for wavelength 1550 nm: ≤ 0,03 dB,
- » Macro-bend induced attenuation, 1 turn 10 mm radius for wavelength 1625 nm: ≤ 0,06 dB.

Cable parameters (G657.B3 fiber)

Parametr	2.0 simplex	3.0 simplex	2.0 duplex	3.0 duplex
Tension (Long Term) [N]	60	80	100	160
Tension (Short Term) [N]	100	150	200	300
Crush (Long Term) [N/10cm]	100	100	200	200
Crush (Short Term) [N/10cm]	500	500	1000	1000
Min. Bend Radius (Dynamic) [mm]	30	30	30	30
Min. Bend Radius (Static) [mm]	15	15	15	15
Installation temperature [°C]	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60
Operate temperature [°C]	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60
Storage temperature [°C]	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60

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Photos



G657.B3



G652.D



Types of connectors



ST



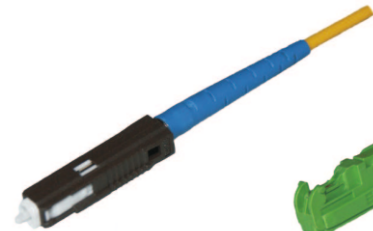
FC



SC



LC



MU



E2000



DIN

How to order

PIG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cable type:	Cable diameter:	Core type:	Connector:	Polishing standard:	Length:		
S=Simplex D=Duplex	18=1.8 mm 28=2.8 mm X=Other	B3=SM G657.B3	S=SC T=ST F=FC L=LC E=E2000 M=MU D=DIN	U=UPC A8=APC 8° A9=APC 9°	0001=0.1 m : 0010=1 m 0020=2 m : 0100=10 m :		
PAT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cable type:	Cable diameter:	Core type:	Connector A:	Polishing standards A:	Connector B:	Polishing standards B:	Length:
S=Simplex D=Duplex	18=1.8 mm 28=2.8 mm X=Other	B3=SM G657.B3	S=SC T=ST F=FC L=LC E=E2000 M=MU D=DIN	U=UPC A8=APC 8° A9=APC 9°	S=SC T=ST F=FC L=LC E=E2000 M=MU D=DIN	U=UPC A8=APC 8° A9=APC 9°	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

Information

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