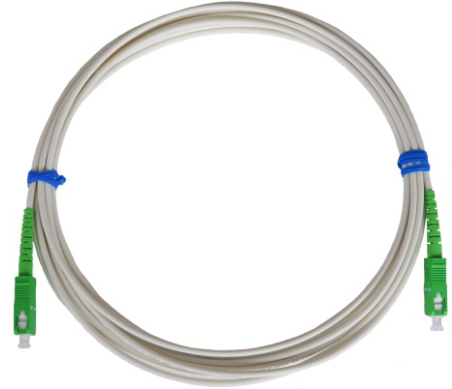


Q-Fiber Pigtails and Patchcords Q-Bend G657.B3

Description

Q-Fiber G657.B3 Patchcords and Pigtails are designed for indoor applications. Used G657.B3 fibre and special Q-Bend cable construction allows for bending radius 2.5mm. It helps in quick and easy cable installation. Q-Fiber pigtails and patchcords are perfectly suitable for installation in narrow cable ducts, switching optical circuits as well as connecting transmission equipment. LSZH coating provides not spread flames and non-flammable. Each product is customized, which means pigtails and patchcords can come in any configuration.



Application

Telecommunications, CATV, Monitoring, Industry, Sיעי LAN, MAN, WAN.

Properties

- >> Anty 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

- >> 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)	≥ 65 (grade 1)	≥ 65 (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 D)	-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

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

Q-Bend G657.B3 cable parameters

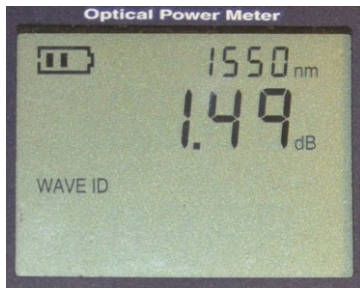
- >> Attenuation (max.) for wavelength 1310nm: ≤ 0,4dB,
- >> Attenuation (max.) for wavelength 1550 nm: ≤ 0,3dB,
- >> Macro-bend induced attenuation, 1 turn 2,5mm radius or wavelength 1550 nm: ≤ 0,20 dB,
- >> Macro-bend induced attenuation, 1 turn 2,5mm radius or wavelength 1625 nm: ≤ 0,30 dB,
- >> Macro-bend induced attenuation, 1 turn 5 mm radius or wavelength 1550 nm: ≤ 0,10 dB,
- >> Macro-bend induced attenuation, 1 turn 5 mm radius or wavelength 1625 nm: ≤ 0,20 dB,
- >> Macro-bend induced attenuation, 1 turn 7,5 mm radius or wavelength 1550 nm: ≤ 0,07 dB,
- >> Macro-bend induced attenuation, 1 turn 7,5 mm radius or wavelength 1625 nm: ≤ 0,15 dB,
- >> Macro-bend induced attenuation, 1 turn 10 mm radius or wavelength 1550 nm: ≤ 0,03 dB
- >> Macro-bend induced attenuation, 1 turn 10 mm radius or wavelength 1625 nm: ≤ 0,06 dB.

Q-Bend G657.B3 cable parameters

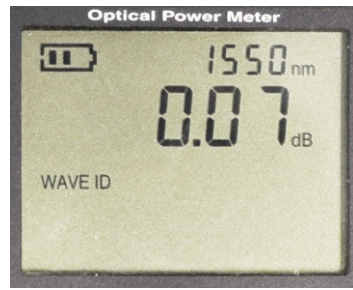
Parameter	2.0 simplex*	2.8 simplex	1.8 duplex*	2.8 duplex*
Tension (Long Term) [N]	60	80	100	160
Tension (Short Term) [N]	100	150	200	300
Crush (Long Term) [N/10cm]	100	100	200	200
Crush (Short Term) [N/10cm]	500	500	1000	1000
Installation temperature [°C]	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60
Operate temperature [°C]	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60
Storage temperature [°C]	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60	-20 ÷ 60

*product on request

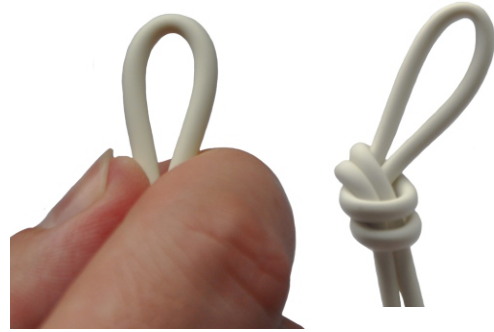
Photos



Standard G657.B3



Q-Bend G657.B3



Types of connectors



ST



FC



SC



LC



MU



E2000



DIN

How to order

PIG

Cable type:
S=Simplex
D=Duplex

Cable diameter:
18=1.8 mm
20=2.0 mm
28=2.8mm
X=Other

Core type:
Q3=SM Q-Bend
G657.B3

Connector:
S=SC
T=ST
F=FC
L=LC
E=E2000
M=MU
D=DIN

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

Length:
0003=0.3 m
: 0010=1 m
: 0020=2 m
: 0100=10 m
:

PAT

Cable type:
S=Simplex
D=Duplex

Cable diameter:
18=1.8 mm
20=2.0 mm
28=2.8mm
X=Other

Core type:
Q3=SM Q-Bend
G657.B3

Connector A:
S=SC
T=ST
F=FC
L=LC
E=E2000
M=MU
D=DIN

Polishing standards A:
U=UPC
A8=APC 8°
A9=APC 9°

Connector B:
S=SC
T=ST
F=FC
L=LC
E=E2000
M=MU
D=DIN

Polishing standards B:
U=UPC
A8=APC 8°
A9=APC 9°

Length:
0003=0.3 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.