



Circular Fiber Connectors

The Bulgin Circular Fiber Connector range offer **high quality** and **reliable fiber** connectivity solutions. Suitable for use in industries such as, military, mining, marine, outdoor broadcast, FTTX (fibre to the x), server room engineering, civil engineering, marine, aviation and rail applications.



4000 Series - Simplex LC Fiber Buccaneer	3
6000 Series - Duplex LC Fiber Buccaneer	10
5000 Series - Expanded Beam	17



- ⊗ Sealed to IP66 IP68 and IP69K when mated
- ⊗ IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- ⊗ Simplex LC-Type Interface
- ⊗ Cabled Versions: 0S1, 0M1, 0M3
- ⊗ Cable range from 5 to 450m
- ⊗ Diameter over coupling ring 19.7mm
- ⊗ Flex, Inline and Rear Panel
- ⊗ Colour coded O-rings & washers for easy identification purposes
- ⊗ Secure, proven locking system
- ⊗ Flame Retardant moulding material - Polyamide UL94-V0
- ⊗ Tamper proof construction
- ⊗ Sealing caps available to maintain IP68 rating
- ⊗ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

CIRCULAR FIBER CONNECTORS
4000 Series - Simplex LC Fiber Buccaneer

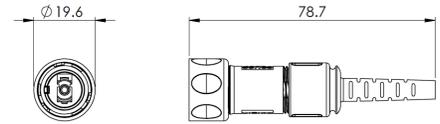


Flex to LC Fiber Cable



PXF4050XXX

- Patchcords with IP68 connectors
- Available in 5 - 450m lengths
- Supplied with LC fiber plug
- 0S1, 0M1 or 0M3 cable options
- Termination options

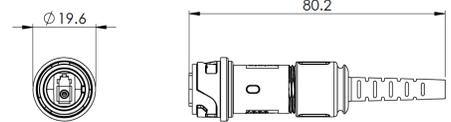


Inline to LC Fiber Cable



PXF4051XXX

- Patchcords with IP68 connectors
- Available in 5 - 450m lengths
- Supplied with LC fiber plug
- 0S1, 0M1 or 0M3 cable options
- Termination options

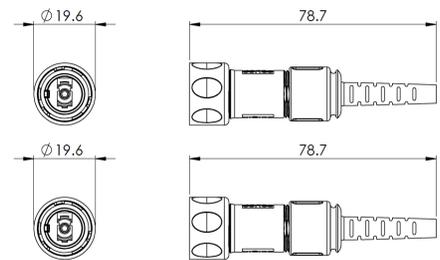


Flex to Flex Fiber Cable



PXF4054XXX

- Patchcords with IP68 connectors
- Available in 5 - 450m lengths
- Supplied with LC fiber plug
- 0S1, 0M1 or 0M3 cable options
- Termination options

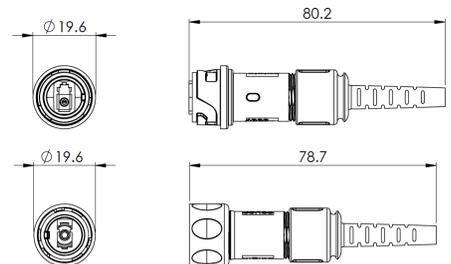


Flex to Inline Fiber Cable



PXF4055XXX

- Patchcords with IP68 connectors
- Available in 5 - 450m lengths
- Supplied with LC fiber plug
- 0S1, 0M1 or 0M3 cable options
- Termination options

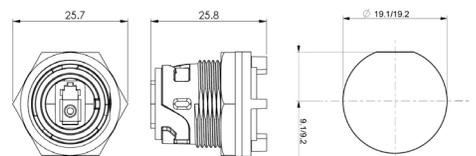


Rear Panel Mounting Connector



PXF4053XXX

- LC fiber adapter
- Leaded with LC connector
- Socket variant mates with PXF4050 type cables



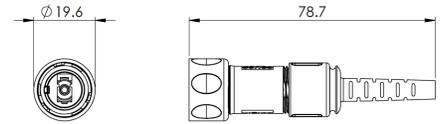
Part no.	Description
PXF4053	IP-Sealed LC Type, Rear Panel Mounted, LC Connector at Rear.

Flex Cable Connector



PXF4050

- Mates with Inline or Panel mounting versions PXF4051, PXF4053
- 30° turn locking ring
- Supplied without LC Connector

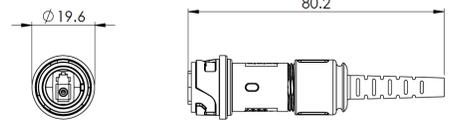


Inline Cable Connector



PXF4051

- Mates with Flex Cable connector PXF4050
- For Inline connection
- Supplied without LC Connector

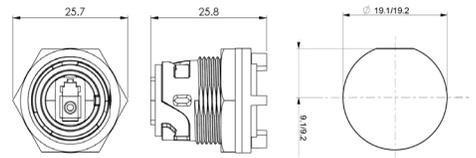


Rear Panel Mounting Connector



PXF4053

- Mates with Flex Cable connector PXF4050
- Rear Panel Mounting
- Single hole fixing
- Supplied without LC Connector



Sealing Caps



- Sealing caps to maintain IP rating when connectors are not in use

Part no.	Description
PXP4081	Sealing cap for use with PXF4050's
PXP4082	Sealing cap for use with PXF4051
PXP4083	Sealing cap for use with PXF4053's

O-ring & washer pack



Part no.	Description
PXP4089/YL	Yellow coloured O-ring and washer pack
PXP4089/BL	Blue coloured O-ring and washer pack
PXP4089/RD	Red coloured O-ring and washer pack
PXP4089/WH	White coloured O-ring and washer pack
PXP4089/GN	Green coloured O-ring and washer pack

Cables & connectors

Mechanical

Sealing:	IP69K, DIN40050-9 IP68, EN60529:1992+A2:2013 (10m depth for 2 weeks) IP66, EN60529:1992+A2:2013
Panel Mount Nut:	1.0-1.1Nm (91lb.in)
Operating temperature:	-25°C to +70°C
Salt Mist:	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

Material:

Body Mouldings:	Polyamide
Flammability Rating:	UL94v-0
UV Resistance:	To EN 500021:1999

Optical

IEC 61753-1:	
Max Insertion Loss:	0.2db } single mode
AVG Insertion Loss:	0.1db } single mode

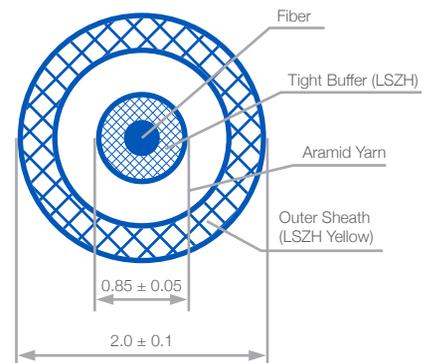
O Rings:	Silicone
Panel Sealing O Ring:	Silicone

RoHS Compliant

Fiber Specification - SECTION OSI

Item	Detail	Specification
Fiber type:	/	G.657A2 (OS1)
Mode field diameter:	Wavelength Range of nominal values	1310nm 8.6µm-9.5µm±0.4µm
Cladding diameter:	Dimension	125.0µm±0.7µm
Core concentricity error:		≤0.5µm
Cladding non-circularity:		≤1%
Coating diameter:	Dimension	245µm±10µm
Coating-cladding concentricity error:		≤12.5µm
Cut-off wavelength:		≤1260nm
Uncabled fiber macrobending loss:	Radius(mm) Number of turns Max. at 1550nm(dB) Max. at 1625nm(dB)	15 10 7.5 10 1 1 0.03 0.1 0.5 0.1 0.2 1.0
Min. proof stress:		0.69GPa
Dynamic fatigue parameter:		≥20
Chromatic dispersion coefficient:	λ0min λ0max S0max	1300nm 1324nm 0.092ps/nm2×km
Other parameters meet standard:	ITU-T G.657	

Cable Construction (in mm):



Optical Cable Specification

Structure Parameter

Tight buffer:	Material Outer diameter	LSZH (Low-Smoke Zero-Halogen) 0.85mm±0.05mm
Strength member:	Material	Aramid yarn
Outer sheath:	Sheath material Sheath color Min. sheath thickness Dimension	LSZH (Low-Smoke Zero-Halogen) Yellow(Pantone 136C) Chromatic aberration E: ≤4.0 0.3mm 2.0mm±0.1mm

Transmission Performance

Attenuation coefficient:	Wavelength 1310nm~1625nm Maximum at 1383nm ±3nm Wavelength 1550nm	≤0.4dB/km ≤0.4dB/km ≤0.3dB/km
--------------------------	---	-------------------------------------

Macrobending loss	Radius(mm) Number of turns Max. at 1550nm(dB) Max. at 1625nm(dB)	15 10 7.5 10 1 1 0.03 0.1 0.5 0.1 0.2 1.0
-------------------	---	--

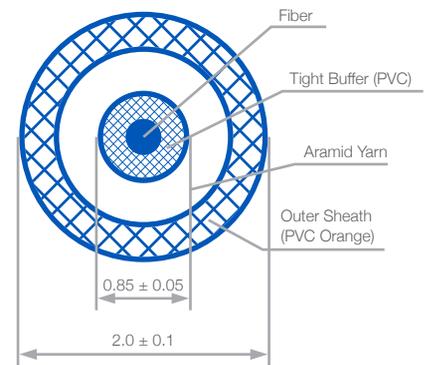
Other performances

Min. bending radius of work	10mm
Other parameter meet standard	IEC60794-2-50, YD/T1258.2, ITU-T G.657

Fiber Specification - SECTION OMI

Item	Detail	Specification
Fiber type:	/	62.5/125(A1b) (OM1)
Core diameter:	Dimension	62.5 μ m \pm 3 μ m
Cladding diameter:	Dimension	125.0 μ m \pm 2 μ m
Core-cladding concentricity error:		\leq 3 μ m
Cladding non-circularity:		\leq 2%
Core non-circularity:		\leq 6%
Primary coating diameter (uncoloured):	Dimension	245 μ m \pm 10 μ m
Primary coating-cladding : concentricity error:	Radius(mm)	\leq 12.5 μ m 37.5
Uncabled fiber macrobending loss:	Number of turns At wavelengths 850nm & 1310nm	100 0.5(dB)
Min. proof stress:		0.69GPa
Dynamic fatigue parameter:		\geq 20
Minimum modal bandwidth- length:	Wavelength 850nm	200MHzkm
Product for overfilled launch:	Wavelength 1310nm	500MHzkm
Other parameters meet standard:	IEC 60793-2-10	

Cable Construction (in mm):

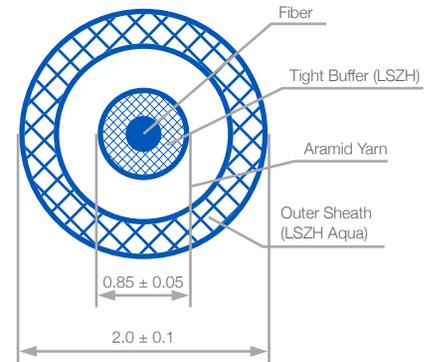


Optical Cable Specification

Item	Specification
Structure Parameter	
Tight buffer:	Material: PVC Outer diameter: 0.85mm \pm 0.05mm
Strength member:	Material: Aramid yarn
Outer sheath:	Sheath material: PVC Sheath color: Orange(Pantone 164C) Chromatic aberration E: \leq 4.0 Min. sheath thickness: 0.3mm Dimension: 2.0mm \pm 0.1mm
Transmission Performance	
Attenuation coefficient	Wavelength 850m: \leq 3.5dB/km Wavelength 1300nm: \leq 1.5dB/km
Other performances	
Min. bending radius of work	30mm
Other parameter meet standard	IEC60794-2-50, YD/T1258.2

Fiber Specification - SECTION OM3

Item	Detail	Specification
Fiber type:	/	50/125(OM3)
Core diameter:	Dimension	50 μ m \pm 2.5 μ m
Cladding diameter:	Dimension	125.0 μ m \pm 2 μ m
Core-cladding concentricity error:		\leq 3 μ m
Cladding non-circularity:		\leq 2%
Core non-circularity:		\leq 6%
Primary coating diameter (uncoloured):	Dimension	245 μ m \pm 10 μ m
Primary coating-cladding concentricity error		\leq 12.5 μ m
Uncabled fiber macrobending loss	Radius(mm)	15 7.5
	Number of turns	2 2
	Max. at 850nm(dB)	0.1 0.2
	Max. at 1310nm(dB)	0.3 0.5
Min. mode bandwidth:	Overfilled launch bandwidth at 850nm	1500MHz.km
	Overfilled launch bandwidth at 1310nm	500MHz.km
	Effective laser launch bandwidth at 850nm	2000MHz.km
Min. proof stress:		0.69GPa
Dynamic fatigue parameter:		\leq 20
	λ 0min	1295nm
Chromatic dispersion coefficient:	λ 0max	1340nm
	S0max(from1295nm $\leq\lambda$ 0 \leq 1310nm)	0.105ps/nm ² ×km
	S0max(from1310nm $\leq\lambda$ 0 \leq 1340nm)	0.000375(1590- λ _v) ps/nm ² ×km
Other parameters meet standard:	IEC 60793-2-10	



Optical Cable Specification

Item	Specification
Structure Parameter	
Tight buffer:	Material: LSZH
	Outer diameter: 0.85mm \pm 0.05mm
Strength member:	Material: Aramid yarn
Outer sheath:	Sheath material: LSZH
	Sheath color: Aqua(Pantone 3248C) Chromatic aberration E: \leq 4.0
	Min. sheath thickness: 0.3mm
	Dimension: 2.0mm \pm 0.1mm
Transmission Performance	
Attenuation coefficient:	Wavelength 850nm: \leq 3.5dB/km
	Wavelength 1300nm: \leq 1.5dB/km
Macrobending loss:	Radius (mm): 15 7.5
	Number of turns: 2 2
	Max. at 850nm(dB): 0.1 0.2
	Max. at 1310nm(dB): 0.3 0.5
Other performances	
Min. bending radius of work:	10mm
Other parameter meet standard:	IEC60794-2-50, YD/T1258.2

PXF405 x	X	XX
<p>Body Styles</p> <p>PXF4050 PXF4051 PXF4053 PXF4054 PXF4055</p>	<p>Cable Type</p> <p>Blank = No cable A = OS1 (Singlemode) B = OM1 (Multimode) C = OM3 (Multimode)</p>	<p>Cable Length (m)</p> <p>Blank = No Cable AA = 1 (1m on Chassis Version Only PXF4053) AA = 5 AB = 10 AC = 25 AD = 50 AE = 100 AF = 150 AG = 200 AH = 300 AJ = 450</p>

Examples:

PXF4050 = Flex Connector, No Cable

PXF4050AAA = Flex Connector, OS1 Single Mode Cable, 5 Metre Length to LC Type Connector

PXF4053BAA = Panel Mount Connector, OM1 Multi Mode Cable, 1 Metre Length to LC Type Connector



- ⊕ Sealed to IP66 IP68 and IP69K when mated
- ⊕ IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- ⊕ Duplex LC-Type Interface
- ⊕ Cabled Versions: 0S1, 0M1, 0M3
- ⊕ Cable range from 5 to 450m
- ⊕ Diameter over coupling ring 32.0mm
- ⊕ Flex, Inline and Front Panel
- ⊕ Secure, proven locking system
- ⊕ 30° twist locking. Tamperproof lock prevents accidental un-mating
- ⊕ All plastic body version; UL94-V0 rated, UV stable, halogen free
Light-weight, self-extinguishing material suitable for long-term outdoor use.
- ⊕ Sealing caps available to maintain IP68 rating
- ⊕ EN60068-2-52 Test Kb Salt Mist (Cyclic)
Marine Severity Level 1

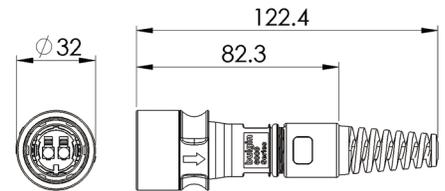
Duplex Flex to LC Fiber Cable



PXF6050XXX

- Patchcords with IP68 connectors
- Available in 5 - 450m lengths
- Supplied with LC fiber plug
- 0S1, 0M1 or 0M3 cable options

*Fiber assignment on page 16



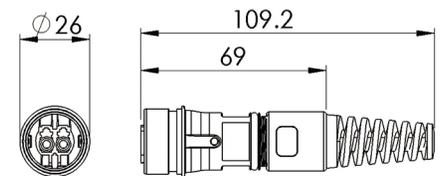
Duplex Inline to LC Fiber Cable



PXF6051XXX

- Patchcords with IP68 connectors
- Available in 5 - 450m lengths
- Supplied with LC fiber plug
- 0S1, 0M1 or 0M3 cable options

*Fiber assignment on page 16



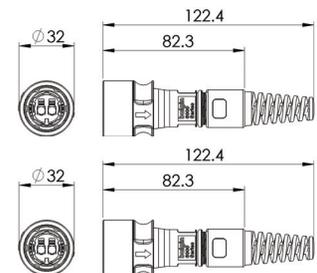
Duplex Flex to Flex Fiber Cable



PXF6054XXX

- Patchcords with IP68 connectors
- Available in 5 - 450m lengths
- Supplied with LC fiber plug
- 0S1, 0M1 or 0M3 cable options

*Fiber assignment on page 16



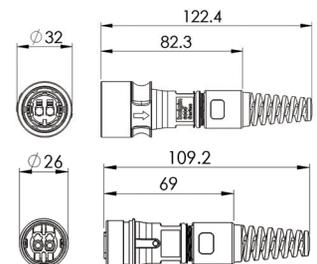
Dublex Flex to Inline Fiber Cable



PXF6055XXX

- Patchcords with IP68 connectors
- Available in 5 - 450m lengths
- Supplied with LC fiber plug
- 0S1, 0M1 or 0M3 cable options

*Fiber assignment on page 16



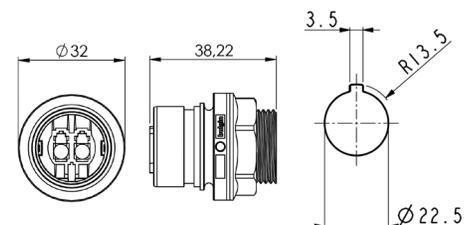
Front Panel Mounting Connector



PXF6052XXX

- LC fiber adapter
- Leaded with LC connector
- Socket variant mates with PXF6050 type connectors

*Fiber assignment on page 16



CIRCULAR FIBER CONNECTORS
6000 Series - Duplex LC Fiber Buccaneer

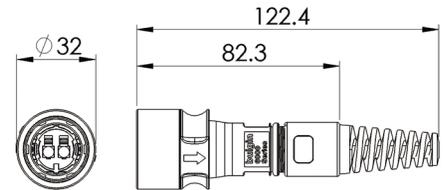


Flex Cable Connector



PXF6050X

- Mates with Inline or Panel mounting versions PXF6051, PXF6053
- 30° turn locking ring
- Supplied without LC Connectors

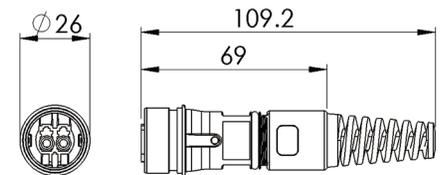


Inline Cable Connector



PXF6051X

- Mates with Flex Cable connector PXF6050
- For Inline connection
- Supplied without LC Connectors

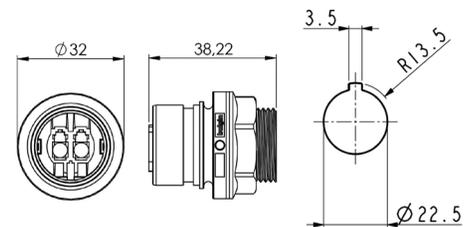


Front Panel Mounting Connector



PXF6052X

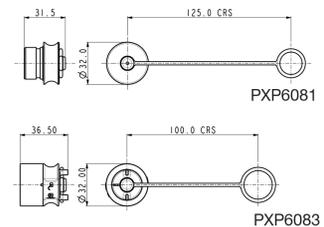
- Mates with Flex Cable connector PXF6050
- Rear Panel Mounting
- Single hole fixing
- Supplied without LC Connectors



Sealing Caps



- Sealing caps to maintain IP rating when connectors are not in use
- PXP6081 for cable connectors PXF6050.
- PXP6083 for front panel mount connectors PXF6052 & PXF6051, with 30° twist lock



Part No.	Description
PXP6081	Sealing Cap for Flex cable connectors (PXF6050)
PXP6083	Sealing Cap for front panel mounting connector (PXF6052, PXF6051)

Cables & connectors

Mechanical

Sealing :	IP69K, DIN40050-9 IP68, EN60529:1992+A2:2013 (10m depth for 2 weeks) IP66, EN60529:1992+A2:2013
Panel Mount Nut:	1.0-1.1Nm (91lb.in)
Operating temperature:	-25°C to +70°C
Salt Mist:	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

Material:

Body Mouldings:	Polyamide
Flammability Rating:	UL94v-0
UV Resistance:	To EN 500021:1999
Cable Outer Jacket:	Polyethylene for UV and Weather Resistance

Optical

IEC 61753-1:	
Max Insertion Loss:	0.2db } single mode
AVG Insertion Loss:	0.1db } single mode

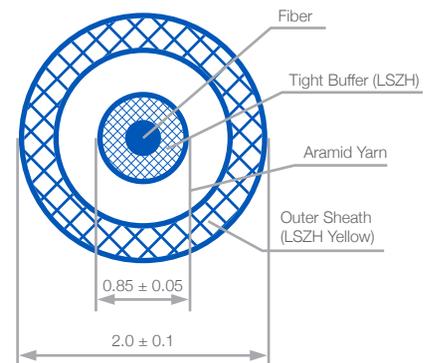
O Rings: Silicone

Panel Sealing O Ring: Silicone

RoHS Compliant

Fiber Specification - SECTION OSI

Item	Detail	Specification
Fiber type:	/	G.657A2 (OS1)
Mode field diameter:	Wavelength	1310nm
	Dimension	8.6µm-9.5µm±0.4µm
Cladding diameter:	Dimension	125.0µm±0.7µm
Core concentricity error:		≤0.5µm
Cladding non-circularity:		≤1%
Coating diameter:	Dimension	245µm±10µm
Coating-cladding concentricity error:		≤12.5µm
Cut-off wavelength:	Radius(mm)	≤1260nm
	Number of turns	15 10 7.5
	Max. at 1550nm(dB)	10 1 1
Min. proof stress:	Max. at 1625nm(dB)	0.03 0.1 0.5
	Dynamic fatigue parameter:	0.1 0.2 1.0
Chromatic dispersion coefficient:	λ0min	0.69GPa
	λ0max	≥20
	S0max	1300nm
Other parameters meet standard:		1324nm
		0.092ps/nm2×km
	ITU-T G.657	



Optical Cable Specification

Structure Parameter

Tight buffer:	Material	Polyolefin (POE)
	Outer diameter	0.85mm±0.05mm
Strength member:	Material	Aramid yarn
Outer sheath:	Sheath material	Polyolefin (POE)
	Sheath color	Yellow(Pantone 136C) Chromatic aberration E: ≤4.0
	Min. sheath thickness	0.3mm
	Dimension	2.0mm±0.1mm

Transmission Performance

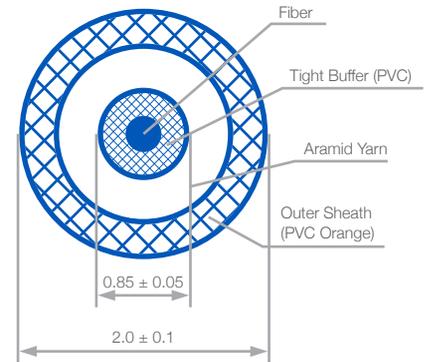
Attenuation coefficient:	Wavelength 1310nm~1625nm	≤0.4dB/km
	Maximum at 1383nm±3nm	≤0.4dB/km
	Wavelength 1550nm	≤0.3dB/km
Macrobending loss:	Radius(mm)	15 10 7.5
	Number of turns	10 1 1
	Max. at 1550nm(dB)	0.03 0.1 0.5
	Max. at 1625nm(dB)	0.1 0.2 1.0

Other performances

Min. bending radius of work	10mm
Other parameter meet standard	IEC60794-2-50, YD/T1258.2, ITU-T G.657

Fiber Specification - SECTION OMI

Item	Detail	Specification
Fiber type	/	62.5/125(A1b) (OM1)
Core diameter	Dimension	62.5 μ m \pm 3 μ m
Cladding diameter	Dimension	125.0 μ m \pm 2 μ m
Core-cladding concentricity error		\leq 3 μ m
Cladding non-circularity		\leq 2%
Core non-circularity		\leq 6%
Primary coating diameter (uncoloured)	Dimension	245 μ m \pm 10 μ m
Primary coating-cladding		\leq 12.5 μ m
Concentricity error	Radius(mm)	37.5
Uncabled fiber macrobending loss	Number of turns At wavelengths 850nm and 1300nm(dB)	100 0.5
Min. proof stress		0.69GPa
Dynamic fatigue parameter		\geq 20
Minimum modal bandwidth- length Product for overfilled launch	Wavelength 850nm Wavelength 1300nm	200MHzkm 500MHzkm
Other parameters meet standard	IEC 60793-2-10	

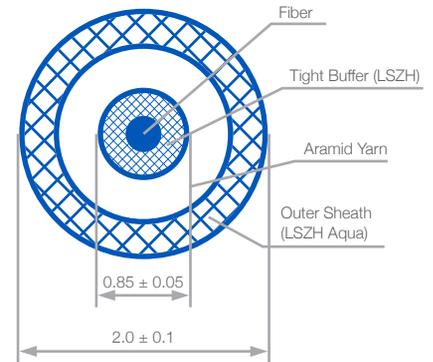


Optical Cable Specification

Item	Specification
Structure Parameter	
Tight buffer	Material: Polyolefin (POE) Outer diameter: 0.85mm \pm 0.05mm
Strength member	Material: Aramid yarn
Outer sheath	Sheath material: Polyolefin (POE) Sheath color: Orange(Pantone 164C) Chromatic aberration E: \leq 4.0 Min. sheath thickness: 0.3mm Dimension: 2.0mm \pm 0.1mm
Transmission Performance	
Attenuation coefficient	Wavelength 850m: \leq 3.5dB/km Wavelength 1300nm: \leq 1.5dB/km
Other performances	
Min. bending radius of work	30mm
Other parameter meet standard	IEC60794-2-50, YD/T1258.2

Fiber Specification - SECTION OM3

Item	Detail	Specification
Fiber type	/	50/125(OM3)
Core diameter	Dimension	50 μ m \pm 2.5 μ m
Cladding diameter	Dimension	125.0 μ m \pm 2 μ m
Core-cladding concentricity error		\leq 3 μ m
Cladding non-circularity		\leq 2%
Core non-circularity		\leq 6%
Primary coating diameter (uncoloured)	Dimension	245 μ m \pm 10 μ m
Primary coating-cladding concentricity error	Radius(mm)	15 7.5
Uncabled fiber macrobending loss	Number of turns	2 2
	Max. at 850nm(dB)	0.1 0.2
	Max. at 1300nm(dB)	0.3 0.5
Min. mode bandwidth	Overfilled launch bandwidth at 850nm	1500 MHz. km
	Overfilled launch bandwidth at 1300nm	500 MHz. km
	Effective laser launch bandwidth at 850nm	2000 MHz. km
Min. proof stress		0.69GPa
	Dynamic fatigue parameter	\leq 20
Chromatic dispersion coefficient	λ 0min	1295nm
	λ 0max	1340nm
	S0max(from 1295nm $\leq\lambda$ 0 \leq 1310nm)	0.105ps/nm ² ×km
	S0max(from 1310nm $\leq\lambda$ 0 \leq 1340nm)	0.000375(1590- λ_c) ps/nm ² ×km
Other parameters meet standard	IEC 60793-2-10	



Optical Cable Specification

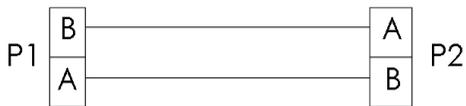
Item	Specification
Structure Parameter	
Tight buffer	Material: Polyolefin (POE)
	Outer diameter: 0.85mm \pm 0.05mm
Strength member	Material: Aramid yarn
Outer sheath	Sheath material: Polyolefin (POE)
	Sheath color: Aqua(Pantone 3248C) Chromatic aberration E: \leq 4.0
	Min. sheath thickness: 0.3mm
	Dimension: 2.0mm \pm 0.1mm
Transmission Performance	
Attenuation coefficient	Wavelength 850m: \leq 3.5dB/km
	Wavelength 1300nm: \leq 1.5dB/km
Macrobending loss	Radius (mm): 15 7.5
	Number of turns: 2 2
	Max. at 850 nm (dB): 0.1 0.2
	Max. at 1300 nm (dB): 0.3 0.5
Other performances	
Min. bending radius of work	10mm
Other parameter meet standard	IEC60794-2-50, YD/T1258.2

PXF605 X	X	XX
<p>Body Styles</p> <p>PXF6050 PXF6051 PXF6052 PXF6054 PXF6055</p>	<p>For Cable Type</p> <p>A = OM3 (Multimode) B = OM1 (Multimode) C = OS1 (Single Mode)</p>	<p>Cable Length</p> <p>Blank = No cable AA = 1 (1m on chassis version only PXF6052)</p> <p>AA = 5 AB = 10 AC = 15 AD = 25 AE = 50 AF = 100 AG = 150 AH = 200 AJ = 300 AK = 450</p>

Examples:

- PXF6050A = Flex connector, for OM3 (Multimode) no cable supplied
- PXF6050AAA = Flex connector, OM3 multimode cable, 5 metre length to LC type connector
- PXF6052BAA = Panel mount connector, OM1 multi mode cable, 1 metre length to LC type connector

Fiber Assignment:



The 5000 Series Expanded Beam Connector range provides a high performance and a simple termination process. This allows for a rapid in-field termination and repair where inserts and termination kits are available. Moreover, the newly designed cable management system prevents fibers and cable to be twisted and their corresponding performance loss.



Key Features:

- Designed to MIL-DTL-83526D
- Compatible with any Connector that follows MIL-DTL-83526D
- Max Insertion Loss <2dB
Average Insertion Loss <1.5dB
- Rated to IP68
- Operating Temperature -50oC to +80oC (With Outdoor Tactical Cable)
- Available with 2 and 4 Channels
- Available with OM1 and OM3 Fiber Types
- Cable range from 1 to 450m
- Plug, Jam Nut, and Flange Mount Connector Body Options
- Plug to Plug, Plug to LC, and Plug to SC Cable Assembly Options Available
- Secure, proven locking system
- All plastic body version; UL94-V0 rated, UV stable, halogen free
Light-weight, self-extinguishing material suitable for long-term outdoor and defence use.

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

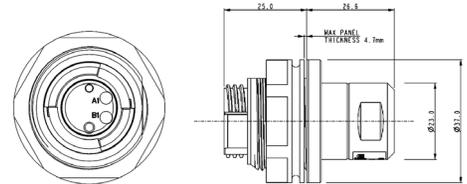


2 Channel Jam Nut Bulkhead Connector



PXEB5210MM

- Non-terminated Connector for 2 patch leads
- Compatible with OM1 & OM3
- Dust Cap, Lanyard, & Ferrules (termini) for the patch leads included
- Mates with Plug Connectors (hermaphroditic)
- Available in 4 Channels
- Cable Assembly Available
- Maximum Panel Thickness – 4.7mm



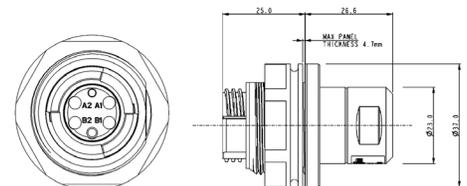
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Acceptance
PXEB5210MM	2	Multimode	OM1 & OM3	N/A

4 Channel Jam Nut Bulkhead Connector



PXEB5410MM

- Non-terminated Connector for 4 patch leads
- Compatible with OM1 & OM3
- Dust Cap, Lanyard, & Ferrules (termini) for the patch leads included
- Mates with Plug Connectors (hermaphroditic)
- Available in 2 Channels
- Cable Assembly Available
- Maximum Panel Thickness – 4.7mm



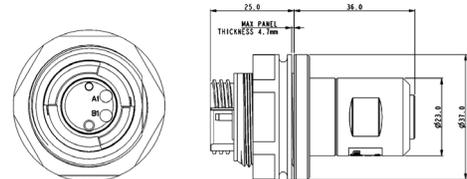
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Acceptance
PXEB5410MM	4	Multimode	OM1 & OM3	N/A

2 Channel Jam Nut Bulkhead Connector with Cable Retention



PXEB5210MM4045

- Non-terminated Connector for a 2-Channel Cable
- Compatible with OM1 & OM3
- Dust Cap, Lanyard, & Ferrules (termini) for the Cable Included
- Mates with Plug Connectors (hermaphroditic)
- Available in 4 Channels
- Maximum Panel Thickness – 4.7mm



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Acceptance
PXEB5210MM4045	2	Multimode	OM1 & OM3	4.0mm – 4.5mm
PXEB5210MM4550	2	Multimode	OM1 & OM3	4.5mm – 5.0mm
PXEB5210MM5055	2	Multimode	OM1 & OM3	5.0mm – 5.5mm
PXEB5210MM5560	2	Multimode	OM1 & OM3	5.5mm – 6.0mm

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

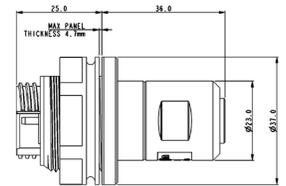
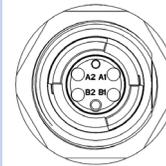


4 Channel Jam Nut Bulkhead Connector with Cable Retention



PXEB5410MM4550

- Non-terminated Connector for a 4-Channel Cable
- Compatible with OM1 & OM3
- Dust Cap, Lanyard, & Ferrules (termini) for the Cable Included
- Mates with Plug Connectors (hermaphroditic)
- Available in 2 Channels
- Maximum Panel Thickness – 4.7mm



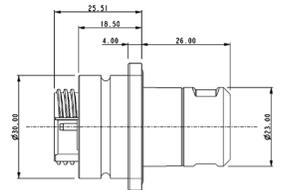
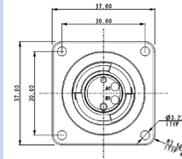
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Acceptance
PXEB5410MM4045	4	Multimode	OM1 & OM3	4.0mm – 4.5mm
PXEB5410MM4550	4	Multimode	OM1 & OM3	4.5mm – 5.0mm
PXEB5410MM5055	4	Multimode	OM1 & OM3	5.0mm – 5.5mm
PXEB5410MM5560	4	Multimode	OM1 & OM3	5.5mm – 6.0mm

2 Channel Flange Mount Bulkhead Connector



PXEB5220MM

- Non-terminated Connector for 2 patch leads
- Compatible with OM1 & OM3
- Dust Cap, Lanyard, & Ferrules (termini) for the patch leads included
- Mates with Plug Connectors (hermaphroditic)
- Available in 4 Channels



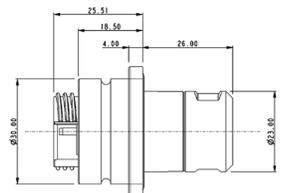
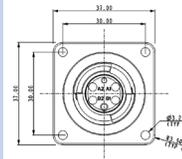
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Acceptance
PXEB5220MM	2	Multimode	OM1 & OM3	N/A

4 Channel Flange Mount Bulkhead Connector



PXEB5420MM

- Non-terminated Connector for 4 patch leads
- Compatible with OM1 & OM3
- Dust Cap, Lanyard, & Ferrules (termini) for the patch leads included
- Mates with Plug Connectors (hermaphroditic)
- Available in 2 Channels



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Acceptance
PXEB5420MM	4	Multimode	OM1 & OM3	N/A

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

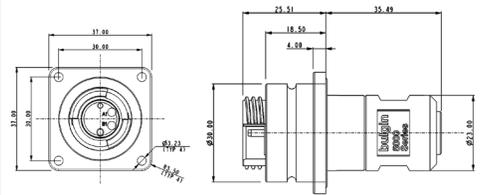


2 Channel Flange Mount Bulkhead Connector with Cable Retention



PXEB5220MM4045

- Non-terminated Connector for a 2-Channel Cable
- Compatible with OM1 & OM3
- Dust Cap, Lanyard, & Ferrules (termini) for the Cable Included
- Mates with Plug Connectors (hermaphroditic)
- Available in 4 Channels
- Maximum Panel Thickness – 4.7mm



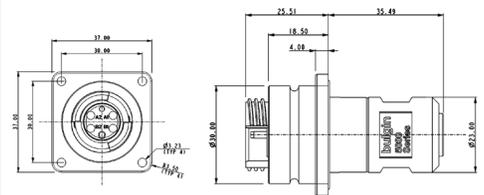
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Acceptance
PXEB5220MM4045	2	Multimode	OM1 & OM3	4.0mm – 4.5mm
PXEB5220MM4550	2	Multimode	OM1 & OM3	4.5mm – 5.0mm
PXEB5220MM5055	2	Multimode	OM1 & OM3	5.0mm – 5.5mm
PXEB5220MM5560	2	Multimode	OM1 & OM3	5.5mm – 6.0mm

4 Channel Flange Mount Bulkhead Connector with Cable Retention



PXEB5420MM4550

- Non-terminated Connector for a 4-Channel Cable
- Compatible with OM1 & OM3
- Dust Cap, Lanyard, & Ferrules (termini) for the Cable Included
- Mates with Plug Connectors (hermaphroditic)
- Available in 2 Channels



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Acceptance
PXEB5420MM4045	4	Multimode	OM1 & OM3	4.0mm – 4.5mm
PXEB5420MM4550	4	Multimode	OM1 & OM3	4.5mm – 5.0mm
PXEB5420MM5055	4	Multimode	OM1 & OM3	5.0mm – 5.5mm
PXEB5420MM5560	4	Multimode	OM1 & OM3	5.5mm – 6.0mm

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

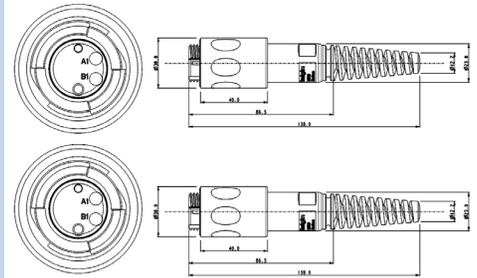


2 Channel Plug to Plug Connector
 Cable Assembly



PXEB5201B005

- Two-terminated Plug Connectors with a 2-Channel Outdoor Tactical Cable
- OM1 or OM3 Fiber Type Options
- 5 – 450m Cable Length Options
- Dust Cap & Lanyard included for each Connector
- Mates with Plug, Jam Nut, & Flange Mount Connectors (hermaphroditic)
- Available in 4 Channels
- Available in Plug to LC & Plug to SC Cable Assembly



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXEB5201B005	2	Multimode	OM1	5m	Plug to Plug
PXEB5201C005	2	Multimode	OM3	5m	Plug to Plug
PXEB5201B010	2	Multimode	OM1	10m	Plug to Plug
PXEB5201C010	2	Multimode	OM3	10m	Plug to Plug
PXEB5201B015	2	Multimode	OM1	15m	Plug to Plug
PXEB5201C015	2	Multimode	OM3	15m	Plug to Plug
PXEB5201B025	2	Multimode	OM1	25m	Plug to Plug
PXEB5201C025	2	Multimode	OM3	25m	Plug to Plug
PXEB5201B050	2	Multimode	OM1	50m	Plug to Plug
PXEB5201C050	2	Multimode	OM3	50m	Plug to Plug
PXEB5201B100	2	Multimode	OM1	100m	Plug to Plug
PXEB5201C100	2	Multimode	OM3	100m	Plug to Plug
PXEB5201B200	2	Multimode	OM1	200m	Plug to Plug
PXEB5201C200	2	Multimode	OM3	200m	Plug to Plug
PXEB5201B300	2	Multimode	OM1	300m	Plug to Plug
PXEB5201C300	2	Multimode	OM3	300m	Plug to Plug
PXEB5201B450	2	Multimode	OM1	450m	Plug to Plug
PXEB5201C450	2	Multimode	OM3	450m	Plug to Plug

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

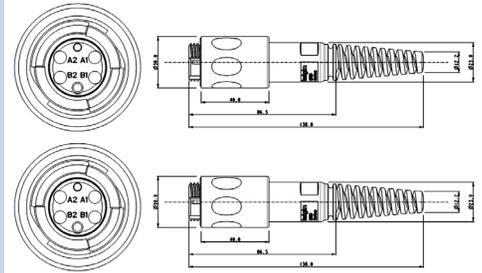


4 Channel Plug to Plug Connector
 Cable Assembly



PXEB5401B005

- Two-terminated Plug Connectors with a 4-Channel Outdoor Tactical Cable
- OM1 or OM3 Fiber Type Options
- 5 – 450m Cable Length Options
- Dust Cap & Lanyard included for each Connector
- Mates with Plug, Jam Nut, & Flange Mount Connectors (hermaphroditic)
- Available in 2 Channels
- Available in Plug to LC & Plug to SC Cable Assembly



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXEB5401B005	4	Multimode	OM1	5m	Plug to Plug
PXEB5401C005	4	Multimode	OM3	5m	Plug to Plug
PXEB5401B010	4	Multimode	OM1	10m	Plug to Plug
PXEB5401C010	4	Multimode	OM3	10m	Plug to Plug
PXEB5401B015	4	Multimode	OM1	15m	Plug to Plug
PXEB5401C015	4	Multimode	OM3	15m	Plug to Plug
PXEB5401B025	4	Multimode	OM1	25m	Plug to Plug
PXEB5401C025	4	Multimode	OM3	25m	Plug to Plug
PXEB5401B050	4	Multimode	OM1	50m	Plug to Plug
PXEB5401C050	4	Multimode	OM3	50m	Plug to Plug
PXEB5401B100	4	Multimode	OM1	100m	Plug to Plug
PXEB5401C100	4	Multimode	OM3	100m	Plug to Plug
PXEB5401B200	4	Multimode	OM1	200m	Plug to Plug
PXEB5401C200	4	Multimode	OM3	200m	Plug to Plug
PXEB5401B300	4	Multimode	OM1	300m	Plug to Plug
PXEB5401C300	4	Multimode	OM3	300m	Plug to Plug
PXEB5401B450	4	Multimode	OM1	450m	Plug to Plug
PXEB5401C450	4	Multimode	OM3	450m	Plug to Plug

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

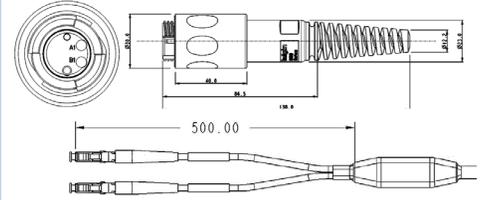


2 Channel Plug to LC Connector
 Cable Assembly



PXEB5202B005

- A Terminated Plug Connector with a 2-Channel Outdoor Tactical Cable that breaks out in 2 independent cables (0.5m long) with LC Terminations
- OM1 or OM3 Fiber Type Options
- 5 – 450m Cable Length Options
- Dust Caps for all Connectors & Plug Lanyard included
- Mates with Plug, Jam Nut, & Flange Mount Connectors (hermaphroditic)
- Available in 4 Channels
- Available in Plug to Plug & Plug to SC Cable Assembly



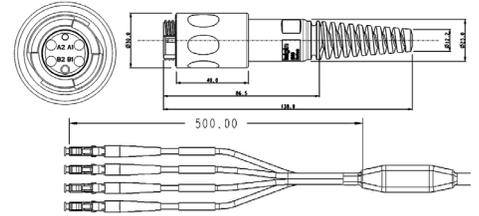
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXEB5202B005	2	Multimode	OM1	5m	Plug to LC
PXEB5202C005	2	Multimode	OM3	5m	Plug to LC
PXEB5202B010	2	Multimode	OM1	10m	Plug to LC
PXEB5202C010	2	Multimode	OM3	10m	Plug to LC
PXEB5202B015	2	Multimode	OM1	15m	Plug to LC
PXEB5202C015	2	Multimode	OM3	15m	Plug to LC
PXEB5202B025	2	Multimode	OM1	25m	Plug to LC
PXEB5202C025	2	Multimode	OM3	25m	Plug to LC
PXEB5202B050	2	Multimode	OM1	50m	Plug to LC
PXEB5202C050	2	Multimode	OM3	50m	Plug to LC
PXEB5202B100	2	Multimode	OM1	100m	Plug to LC
PXEB5202C100	2	Multimode	OM3	100m	Plug to LC
PXEB5202B200	2	Multimode	OM1	200m	Plug to LC
PXEB5202C200	2	Multimode	OM3	200m	Plug to LC
PXEB5202B300	2	Multimode	OM1	300m	Plug to LC
PXEB5202C300	2	Multimode	OM3	300m	Plug to LC
PXEB5202B450	2	Multimode	OM1	450m	Plug to LC
PXEB5202C450	2	Multimode	OM3	450m	Plug to LC

4 Channel Plug to LC Connector
Cable Assembly



PXEB5402B005

- A Terminated Plug Connector with a 4-Channel Outdoor Tactical Cable that breaks out in 4 independent cables (0.5m long) with LC Terminations
- OM1 or OM3 Fiber Type Options
- 5 – 450m Cable Length Options
- Dust Caps for all Connectors & Plug Lanyard included
- Mates with Plug, Jam Nut, & Flange Mount Connectors (hermaphroditic)
- Available in 2 Channels
- Available in Plug to Plug & Plug to SC Cable Assembly



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXEB5402B005	4	Multimode	OM1	5m	Plug to LC
PXEB5402C005	4	Multimode	OM3	5m	Plug to LC
PXEB5402B010	4	Multimode	OM1	10m	Plug to LC
PXEB5402C010	4	Multimode	OM3	10m	Plug to LC
PXEB5402B015	4	Multimode	OM1	15m	Plug to LC
PXEB5402C015	4	Multimode	OM3	15m	Plug to LC
PXEB5402B025	4	Multimode	OM1	25m	Plug to LC
PXEB5402C025	4	Multimode	OM3	25m	Plug to LC
PXEB5402B050	4	Multimode	OM1	50m	Plug to LC
PXEB5402C050	4	Multimode	OM3	50m	Plug to LC
PXEB5402B100	4	Multimode	OM1	100m	Plug to LC
PXEB5402C100	4	Multimode	OM3	100m	Plug to LC
PXEB5402B200	4	Multimode	OM1	200m	Plug to LC
PXEB5402C200	4	Multimode	OM3	200m	Plug to LC
PXEB5402B300	4	Multimode	OM1	300m	Plug to LC
PXEB5402C300	4	Multimode	OM3	300m	Plug to LC
PXEB5402B450	4	Multimode	OM1	450m	Plug to LC
PXEB5402C450	4	Multimode	OM3	450m	Plug to LC

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

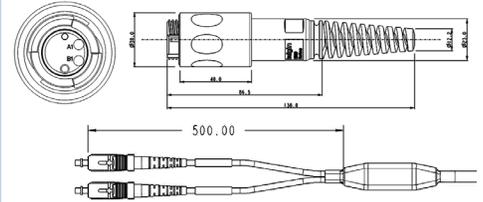


2 Channel Plug to SC Connector
 Cable Assembly



PXEB5203B005

- A Terminated Plug Connector with a 2-Channel Outdoor Tactical Cable that breaks out in 2 independent cables (0.5m long) with SC Terminations
- OM1 or OM3 Fiber Type Options
- 5 – 450m Cable Length Options
- Dust Caps for all Connectors & Plug Lanyard included
- Mates with Plug, Jam Nut, & Flange Mount Connectors (hermaphroditic)
- Available in 4 Channels
- Available in Plug to Plug & Plug to LC Cable Assembly



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXEB5203B005	2	Multimode	OM1	5m	Plug to SC
PXEB5203C005	2	Multimode	OM3	5m	Plug to SC
PXEB5203B010	2	Multimode	OM1	10m	Plug to SC
PXEB5203C010	2	Multimode	OM3	10m	Plug to SC
PXEB5203B015	2	Multimode	OM1	15m	Plug to SC
PXEB5203C015	2	Multimode	OM3	15m	Plug to SC
PXEB5203B025	2	Multimode	OM1	25m	Plug to SC
PXEB5203C025	2	Multimode	OM3	25m	Plug to SC
PXEB5203B050	2	Multimode	OM1	50m	Plug to SC
PXEB5203C050	2	Multimode	OM3	50m	Plug to SC
PXEB5203B100	2	Multimode	OM1	100m	Plug to SC
PXEB5203C100	2	Multimode	OM3	100m	Plug to SC
PXEB5203B200	2	Multimode	OM1	200m	Plug to SC
PXEB5203C200	2	Multimode	OM3	200m	Plug to SC
PXEB5203B300	2	Multimode	OM1	300m	Plug to SC
PXEB5203C300	2	Multimode	OM3	300m	Plug to SC
PXEB5203B450	2	Multimode	OM1	450m	Plug to SC
PXEB5203C450	2	Multimode	OM3	450m	Plug to SC

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

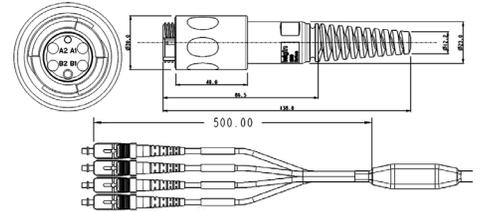


4 Channel Plug to SC Connector
 Cable Assembly



PXEB5403B005

- A Terminated Plug Connector with a 4-Channel Outdoor Tactical Cable that breaks out in 4 independent cables (0.5m long) with SC Terminations
- OM1 or OM3 Fiber Type Options
- 5 – 450m Cable Length Options
- Dust Caps for all Connectors & Plug Lanyard included
- Mates with Plug, Jam Nut, & Flange Mount Connectors (hermaphroditic)
- Available in 2 Channels
- Available in Plug to Plug & Plug to LC Cable Assembly



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXEB5403B005	4	Multimode	OM1	5m	Plug to SC
PXEB5403C005	4	Multimode	OM3	5m	Plug to SC
PXEB5403B010	4	Multimode	OM1	10m	Plug to SC
PXEB5403C010	4	Multimode	OM3	10m	Plug to SC
PXEB5403B015	4	Multimode	OM1	15m	Plug to SC
PXEB5403C015	4	Multimode	OM3	15m	Plug to SC
PXEB5403B025	4	Multimode	OM1	25m	Plug to SC
PXEB5403C025	4	Multimode	OM3	25m	Plug to SC
PXEB5403B050	4	Multimode	OM1	50m	Plug to SC
PXEB5403C050	4	Multimode	OM3	50m	Plug to SC
PXEB5403B100	4	Multimode	OM1	100m	Plug to SC
PXEB5403C100	4	Multimode	OM3	100m	Plug to SC
PXEB5403B200	4	Multimode	OM1	200m	Plug to SC
PXEB5403C200	4	Multimode	OM3	200m	Plug to SC
PXEB5403B300	4	Multimode	OM1	300m	Plug to SC
PXEB5403C300	4	Multimode	OM3	300m	Plug to SC
PXEB5403B450	4	Multimode	OM1	450m	Plug to SC
PXEB5403C450	4	Multimode	OM3	450m	Plug to SC

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

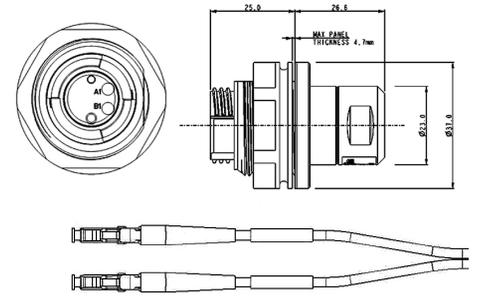


2 Channel Jam Nut to LC Connector
Cable Assembly



PXEB5212B001

- A Terminated Jam Nut Bulkhead (JNBH) Connector with 2 LC terminated independent cables
- OM1 or OM3 Fiber Type Options
- 1, 2 & 5m Cable Length Options
- Dust Caps for all Connectors & Jam Nut Lanyard included
- Mates with Plug Connectors (hermaphroditic)
- Maximum Panel Thickness – 4.7mm
- Available in 4 Channels
- Available in Jam Nut to SC Cable Assembly



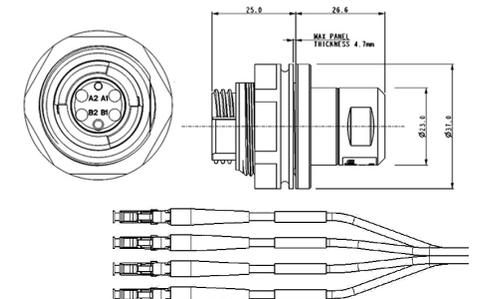
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXEB5212B001	2	Multimode	OM1	1m	JNBH to LC
PXEB5212C001	2	Multimode	OM3	1m	JNBH to LC
PXEB5212B002	2	Multimode	OM1	2m	JNBH to LC
PXEB5212C002	2	Multimode	OM3	2m	JNBH to LC
PXEB5212B005	2	Multimode	OM1	5m	JNBH to LC
PXEB5212C005	2	Multimode	OM3	5m	JNBH to LC

4 Channel Jam Nut to LC Connector
Cable Assembly



PXEB5412B001

- A Terminated Jam Nut Bulkhead (JNBH) Connector with 4 LC terminated independent cables
- OM1 or OM3 Fiber Type Options
- 1, 2 & 5m Cable Length Options
- Dust Caps for all Connectors & Jam Nut Lanyard included
- Mates with Plug Connectors (hermaphroditic)
- Maximum Panel Thickness – 4.7mm
- Available in 2 Channels
- Available in Jam Nut to SC Cable Assembly



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXEB5412B001	4	Multimode	OM1	1m	JNBH to LC
PXEB5412C001	4	Multimode	OM3	1m	JNBH to LC
PXEB5412B002	4	Multimode	OM1	2m	JNBH to LC
PXEB5412C002	4	Multimode	OM3	2m	JNBH to LC
PXEB5412B005	4	Multimode	OM1	5m	JNBH to LC
PXEB5412C005	4	Multimode	OM3	5m	JNBH to LC

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

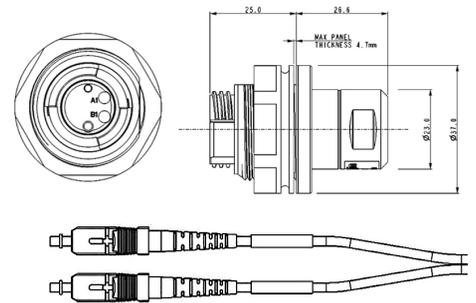


2 Channel Jam Nut to SC Connector
Cable Assembly



PXEB5213B001

- A Terminated Jam Nut Bulkhead (JNBH) Connector with 2 SC terminated independent cables
- OM1 or OM3 Fiber Type Options
- 1, 2 & 5m Cable Length Options
- Dust Caps for all Connectors & Jam Nut Lanyard included
- Mates with Plug Connectors (hermaphroditic)
- Maximum Panel Thickness – 4.7mm
- Available in 4 Channels
- Available in Jam Nut to LC Cable Assembly



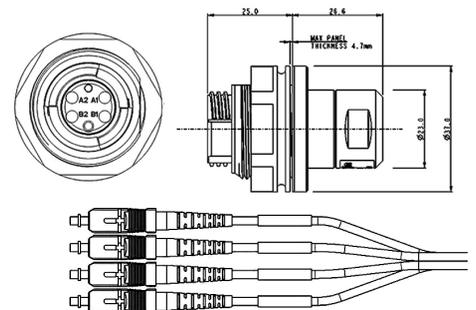
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXEB5213B001	2	Multimode	OM1	1m	JNBH to SC
PXEB5213C001	2	Multimode	OM3	1m	JNBH to SC
PXEB5213B002	2	Multimode	OM1	2m	JNBH to SC
PXEB5213C002	2	Multimode	OM3	2m	JNBH to SC
PXEB5213B005	2	Multimode	OM1	5m	JNBH to SC
PXEB5213C005	2	Multimode	OM3	5m	JNBH to SC

4 Channel Jam Nut to SC Connector
Cable Assembly



PXEB5413B001

- A Terminated Jam Nut Bulkhead (JNBH) Connector with 4 SC terminated independent cables
- OM1 or OM3 Fiber Type Options
- 1, 2 & 5m Cable Length Options
- Dust Caps for all Connectors & Jam Nut Lanyard included
- Mates with Plug Connectors (hermaphroditic)
- Maximum Panel Thickness – 4.7mm
- Available in 2 Channels
- Available in Jam Nut to LC Cable Assembly



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXEB5413B001	4	Multimode	OM1	1m	JNBH to SC
PXEB5413C001	4	Multimode	OM3	1m	JNBH to SC
PXEB5413B002	4	Multimode	OM1	2m	JNBH to SC
PXEB5413C002	4	Multimode	OM3	2m	JNBH to SC
PXEB5413B005	4	Multimode	OM1	5m	JNBH to SC
PXEB5413C005	4	Multimode	OM3	5m	JNBH to SC

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

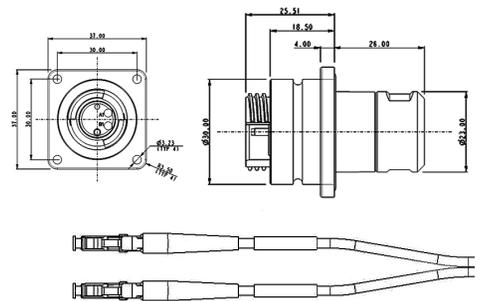


2 Channel Flange Mount to LC Connector Cable Assembly



PXE5222B001

- A Terminated Flange Mount Bulkhead (FMBH) Connector with 2 LC terminated independent cables
- OM1 or OM3 Fiber Type Options
- 1, 2 & 5m Cable Length Options
- Dust Caps for all Connectors & Flange Mount Lanyard included
- Mates with Plug Connectors (hermaphroditic)
- Available in 4 Channels
- Available in Jam Nut to SC Cable Assembly



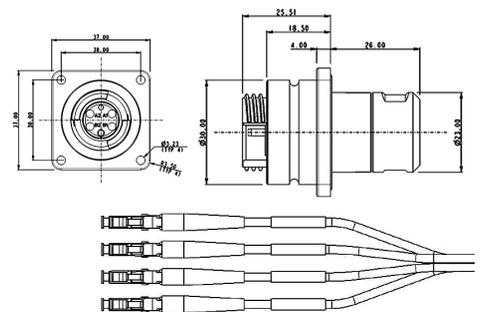
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXE5222B001	2	Multimode	OM1	1m	FMBH to LC
PXE5222C001	2	Multimode	OM3	1m	FMBH to LC
PXE5222B002	2	Multimode	OM1	2m	FMBH to LC
PXE5222C002	2	Multimode	OM3	2m	FMBH to LC
PXE5222B005	2	Multimode	OM1	5m	FMBH to LC
PXE5222C005	2	Multimode	OM3	5m	FMBH to LC

4 Channel Flange Mount to LC Connector Cable Assembly



PXE5422B001

- A Terminated Flange Mount Bulkhead (FMBH) Connector with 4 LC terminated independent cables
- OM1 or OM3 Fiber Type Options
- 1, 2 & 5m Cable Length Options
- Dust Caps for all Connectors & Flange Mount Lanyard included
- Mates with Plug Connectors (hermaphroditic)
- Available in 2 Channels
- Available in Jam Nut to SC Cable Assembly



Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXE5422B001	4	Multimode	OM1	1m	FMBH to LC
PXE5422C001	4	Multimode	OM3	1m	FMBH to LC
PXE5422B002	4	Multimode	OM1	2m	FMBH to LC
PXE5422C002	4	Multimode	OM3	2m	FMBH to LC
PXE5422B005	4	Multimode	OM1	5m	FMBH to LC
PXE5422C005	4	Multimode	OM3	5m	FMBH to LC

CIRCULAR FIBER CONNECTORS
5000 Series - Expanded Beam

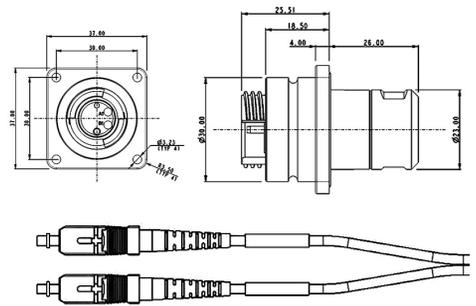


2 Channel Flange Mount to SC Connector Cable Assembly



PXE5223B001

- A Terminated Flange Mount Bulkhead (FMBH) Connector with 2 SC terminated independent cables
- OM1 or OM3 Fiber Type Options
- 1, 2 & 5m Cable Length Options
- Dust Caps for all Connectors & Flange Mount Lanyard included
- Mates with Plug Connectors (hermaphroditic)
- Available in 2 Channels
- Available in Jam Nut to LC Cable Assembly



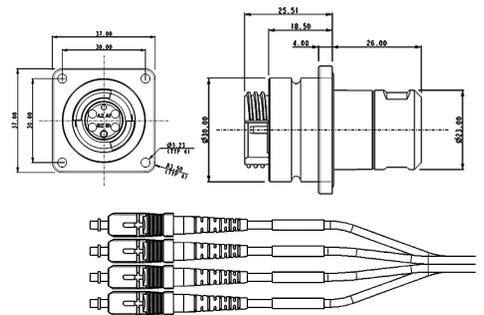
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXE5223B001	2	Multimode	OM1	1m	FMBH to SC
PXE5223C001	2	Multimode	OM3	1m	FMBH to SC
PXE5223B002	2	Multimode	OM1	2m	FMBH to SC
PXE5223C002	2	Multimode	OM3	2m	FMBH to SC
PXE5223B005	2	Multimode	OM1	5m	FMBH to SC
PXE5223C005	2	Multimode	OM3	5m	FMBH to SC

4 Channel Flange Mount to SC Connector Cable Assembly



PXE5423B001

- A Terminated Flange Mount Bulkhead (FMBH) Connector with 4 SC terminated independent cables
- OM1 or OM3 Fiber Type Options
- 1, 2 & 5m Cable Length Options
- Dust Caps for all Connectors & Flange Mount Lanyard included
- Mates with Plug Connectors (hermaphroditic)
- Available in 2 Channels
- Available in Jam Nut to LC Cable Assembly



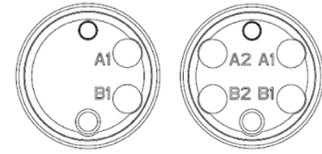
Part Number	Channels	Multimode / Singlemode	Fiber Type	Cable Length	Termination
PXE5423B001	4	Multimode	OM1	1m	FMBH to SC
PXE5423C001	4	Multimode	OM3	1m	FMBH to SC
PXE5423B002	4	Multimode	OM1	2m	FMBH to SC
PXE5423C002	4	Multimode	OM3	2m	FMBH to SC
PXE5423B005	4	Multimode	OM1	5m	FMBH to SC
PXE5423C005	4	Multimode	OM3	5m	FMBH to SC

Channel Inserts



PXEB5280

- Allows Plug, Jam Nut & Flange Mount to be re-terminated with 2 or 4 Channel Insert
- Ferrules (termini) included to terminate the Fiber



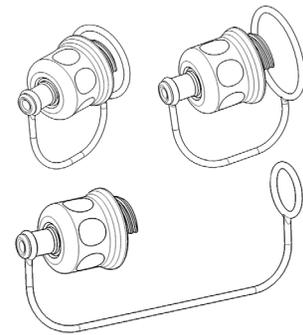
Part No	Description
PXEB5280	2 Channel Expanded Beam Insert Assembly
PXEB5480	4 Channel Expanded Beam Insert Assembly

Dust Caps



PXEB5080

- Dust Caps do not have an effect on IP68 rating as Plug, Jam Nut & Flange Mount Bulkhead are sealed without the Dust Cap
- Lanyard Included
- Different Lanyard for different Connectors but same Dust Cap



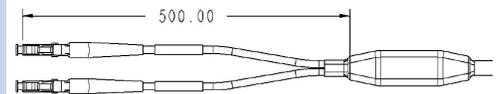
Part No	Description
PXEB5080	Dust Cap for Plug
PXEB5081	Dust Cap for Jam Nut Bulkhead
PXEB5082	Dust Cap for Flange Mount Bulkhead

LC & SC Termination Kit



PXEB5088

- Kit to terminate Plug & Jam Nut with Cable Acceptance Connector
- The kit includes: breakout tube parts, heat shrink cover, 500mm furcation tubes, & LC or SC Connectors
- Potting Compound is sold separately (PXEB5079)
- Beige - OM1
- Aqua - OM3



Part No	Cable Diameter	Description
PXEB5084	4-5mm	2 Channel Termination Kit (4-5mm) with LC (OM1)
PXEB5085	4-5mm	4 Channel Termination Kit (4-5mm) with LC (OM1)
PXEB5086	4-5mm	2 Channel Termination Kit (4-5mm) with SC (OM1)
PXEB5087	4-5mm	4 Channel Termination Kit (4-5mm) with SC (OM1)
PXEB5088	4-5mm	2 Channel Termination Kit (4-5mm) with LC (OM3)
PXEB5089	4-5mm	4 Channel Termination Kit (4-5mm) with LC (OM3)
PXEB5090	4-5mm	2 Channel Termination Kit (4-5mm) with SC (OM3)
PXEB5091	4-5mm	4 Channel Termination Kit (4-5mm) with SC (OM3)
PXEB5092	5-6mm	2 Channel Termination Kit (5-6mm) with LC (OM1)
PXEB5093	5-6mm	4 Channel Termination Kit (5-6mm) with LC (OM1)
PXEB5094	5-6mm	2 Channel Termination Kit (5-6mm) with SC (OM1)
PXEB5095	5-6mm	4 Channel Termination Kit (5-6mm) with SC (OM1)
PXEB5096	5-6mm	2 Channel Termination Kit (5-6mm) with LC (OM3)
PXEB5097	5-6mm	4 Channel Termination Kit (5-6mm) with LC (OM3)
PXEB5098	5-6mm	2 Channel Termination Kit (5-6mm) with SC (OM3)
PXEB5099	5-6mm	4 Channel Termination Kit (5-6mm) with SC (OM3)

Fiber Cable Crimp Tool



PXEB5083

- For terminating the Inner & Outer Crimp to the Fiber Cable
- Necessary for fixing the Cable to the Plug, Jam Nut & Flange Mount Bulkhead Connectors
- Die Set included

Part No	Description
PXEB5083	Cable Crimp Tool for Plug, Jam Nut & Flange Mount Bulkhead Connectors

Mechanical:

Sealing:	IP68, EN60529: 1992+ A2:2013
Panel Mount Nut:	1,0-1, 1Nm (91lb.in)
Operating temperature:	-50°C to +80°C
Salt Mist:	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

Material:

Body Mouldings:	Polyamide
Flammability Rating:	UL94v-0
UV Resistance:	To EN 500021:1999
O Rings:	Silicone
Panel Sealing O Ring:	Silicone
RoHS	Compliant

Plug Connector Designed to MIL-DTL-83525/20C specifications
 Jam Nut Connector Designed to MIL-DTL-83525/21C specifications

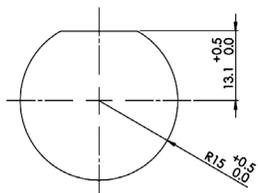
Optical:

IEC 61753-1:	
Max Insertion Loss:	<2dB
AVG Insertion Loss:	<1.5dB

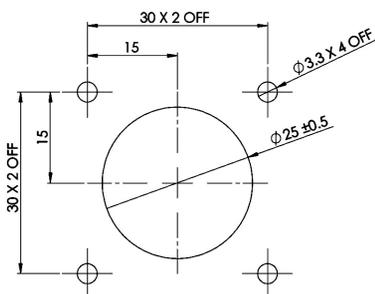
2 Channel Termination Table:	P1 Connector Channel:	Fiber Colour:	P2 Connector Channel:
	A1	BLUE	B1
	B1	ORANGE	A1

4 Channel Termination Table:	P1 Connector Channel:	Fiber Colour:	P2 Connector Channel:
	A1	BLUE	B1
	B1	ORANGE	A1
	A2	GREEN	B2
	B2	BROWN	A2

Jam Nut Bulkhead Panel Mount Cut out:



Flange Mount Bulkhead Panel Mount Cut out:



OM1

Item:	Detail:	Specification:
Fiber:	Type Channels	62.5um/125um (OM1) 2 or 4
Channel Diameter:	Dimension	62.5um
Cladding Diameter:	Dimension	125um
Buffer:	Construction Material Diameter	Tight Nylon 0.9mm
Outer Jacket:	Material Colour Outer Diameter Ripcord	PUR Black 5.4mm (2 Channel) 5.8mm (4 Channel) 1
Max Attenuation:	at 850nm at 1300nm	3.4dB/km 1.2dB/km
Temperature Range:	Operating Temp Installation Temp Storage Temp	-70 °C to +85 °C -5 °C to +50 °C -70 °C to +85 °C
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	43.2 mm
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	21.6 mm
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	400 N (90 lbf)
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	5 kN/m
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	3 kN/m
Standards:	UL Rating/Flame Test REACH IEC Compliance EU Directive 2011/65/EU (RoHS 2) UV/ Sunlight Protection	Non-UL Rated Compliant IEC 60794 Compliant Yes

OM3

Item:	Detail:	Specification:
Fiber:	Type Count	50um/125um (OM3) 2 or 4
Channel Diameter:	Dimension	50um
Cladding Diameter:	Dimension	125um
Buffer:	Construction Material Diameter	Tight Nylon (2 Channel) Polyamide (4 Channel) 0.9mm
Outer Jacket:	Material Colour Outer Diameter Ripcord	PUR Black 5.4mm (2 Channel) 5.8mm (4 Channel) 1
Max Attenuation:	at 850nm at 1300nm	2.9dB/ km 1.0dB/km
Temperature Range:	Operating Temp Installation Temp Storage Temp	-70 °C to +85 °C (2 Channel) -55 °C to +85 °C (4 Channel) -5 °C to +50 °C (2 Channel) -15 °C to +50 °C (4 Channel) -70 °C to +85 °C (2 Channel) -30 °C to +70 °C (4 Channel)
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	43.2 mm (2 Channel) 46.4 mm (4 Channel)
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	21.6 mm (2 Channel) 23.2 mm (4 Channel)
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	400 N (90 lbf)
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	5 kN/m
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	3 kN/m
Standards:	UL Rating/Flame Test REACH IEC Compliance EU Directive 2011/65/EU (RoHS 2) UV/ Sunlight Protection	Non-UL Rated Compliant IEC 60794 Compliant Yes