6000 Series Buccaneer – circular connectors that combine the ease of use of a push/pull coupling mechanism with proven environmental sealing. Available with metal or plastic bodies, the range supports both data (USB and Ethernet), signal and mains power. Designed and independently tested to IP66, IP68 & IP69K standards, they are ideal for applications where ingress of dust and water must be avoided and where ease of connection, space and appearance are important considerations.

○ **30° twist locking**
Tamperproof lock prevents accidental un-mating

○ **IP66, IP68 and IP69K when mated**
Suitable for a wide range of dust and water borne environments

○ **Independent sealing tests**
IP Ratings independently verified

○ **USB version 2.0 performance**
Low and high speed bus connection, 1.5Mbs to 480Mbs

○ **Plug and play capability**
Hot pluggable, standard 4 pole interface

○ **Shielded system**
High noise immunity and EMI protection

○ **Single and double ended cables**
Suitable for PC and peripheral configuration

○ **Push-pull latching system***
Secure, instant latching. Quick connector mating and release

○ **Cat 5e compliant**
Data rate up to 100MHz

○ **PUR jacket on cable**
Good chemical resistance, flame retardant

○ **Cat 5e shielded coupler**
Maintains shielding

○ **Visual mating indication**
Alignment indicator reduces risk of damage during mating

○ **Earth lead version of panel adaptor on plastic connector**
Continuous screening of panel mount connector

○ **Metal connector grounded to cable screen**
Continuous screening of panel mount connector

○ **Sealed through panel Ethernet**
Prevent water ingress into equipment

○ **EN60068-2-52 Test Kb Salt Mist (Cyclic)**
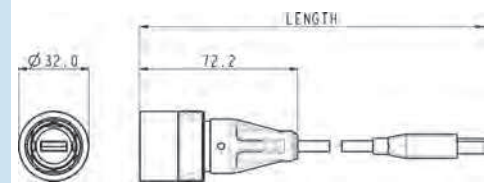Marine Severity Level 1
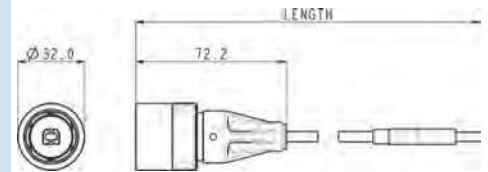
Sealed USB Cables - Single Ended

PXP6040/A

PXP6040/B

- Single ended sealed cable assembly
- Mates with all panel mounting connectors
- 30° twist locking
- IP rated 'A' type USB connector to standard 'B' type USB connector, mates with all panel mount connectors
- IP rated 'B' type USB connector to standard 'A' type USB connector, mates with all panel mount connectors
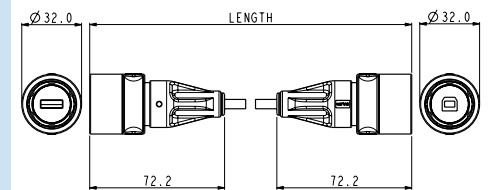- Available in 2m, 3m and 5m lengths

Part no	Length	Description
PXP6040/A/2M00	2m	IP rated A type USB to standard B type USB
PXP6040/A/3M00	3m	IP rated A type USB to standard B type USB
PXP6040/A/5M00	5m	IP rated A type USB to standard B type USB
PXP6040/B/2M00	2m	IP rated B type USB to standard A type USB
PXP6040/B/3M00	3m	IP rated B type USB to standard A type USB
PXP6040/B/5M00	5m	IP rated B type USB to standard A type USB

Sealed USB Cables - Double Ended

PXP6041/AB

- Double ended sealed cable assembly
- Mates with all panel mount connectors
- 30° twist locking
- IP rated 'A' type USB connector to 'B' type USB connector
- Available in 2m, 3m and 5m lengths

Part no	Length	Description
PXP6041/AB/2M00	2m	IP rated A type USB to standard B type USB
PXP6041/AB/3M00	3m	IP rated A type USB to standard B type USB
PXP6041/AB/5M00	5m	IP rated A type USB to standard B type USB

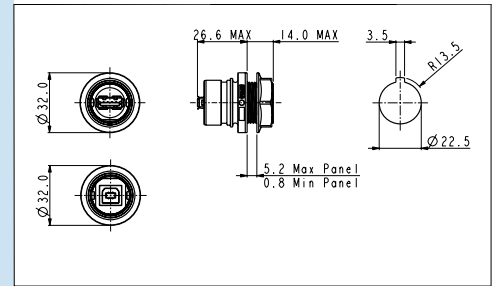Electroustic Ltd   www.electroustic.co.uk   +44 (0)1908 307200

Front Panel Mounting Connector

- PXP6042/A - USB 'A' type IP rated connector
- PXP6042/B - USB 'B' type IP rated connector
- Opposite USB type connector to rear of panel
- Mates with PXP6040 and PXP6041 cable connectors

PXP6042/B   PXP6042/A

26.6 MAX   14.0 MAX   3.5
R13.5
Ø32.0
Ø22.5
Ø32.0
5.2 Max Panel
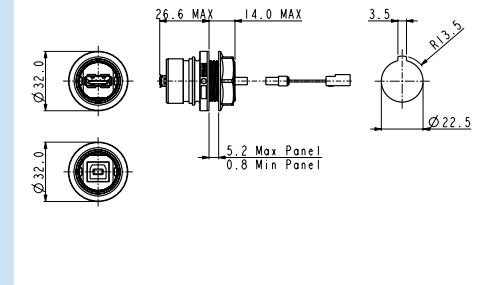0.8 Min Panel

Part No.	Description
PXP6042/A	IP rated A type USB, front panel mounted. Sealed A type at front of panel, standard B type at rear.
PXP6042/B	IP rated B type USB, front panel mounted. Sealed B type at front of panel, standard A type at rear.

Front Panel Mounting Connector

- PXP6043/A - USB 'A' type IP rated connector
- PXP6043/B - USB 'B' type IP rated connector
- Leaded with 5 way crimp connector
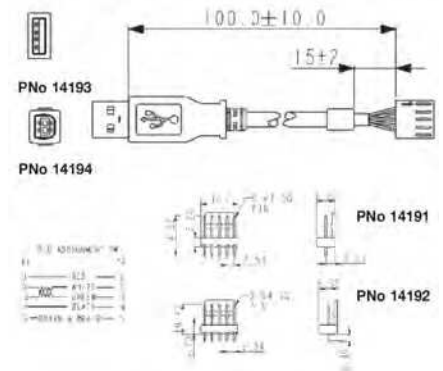- Mates with PXP6040 and PXP6041 cable connectors

PXP6043/B   PXP6043/A

26.6 MAX   14.0 MAX   3.5
R13.5
Ø32.0
Ø22.5
Ø32.0
5.2 Max Panel
0.8 Min Panel

Part No.	Description
PXP6043/A	IP rated A type USB, front panel mounted. Sealed A type at front of panel, 5 way crimp connector at rear.
PXP6043/B	IP rated B type USB, front panel mounted. Sealed B type at front of panel, 5 way crimp connector at rear.

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PCB Adaptor Leads

- Standard A and B type USB connectors to 5 way crimp adaptor leads
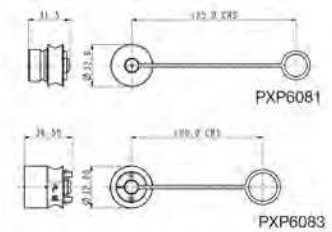- 5 way headers, 2.54mm pitch, horizontal or vertical mounting

PNo 14193
PNo 14194
PNo 14191
PNo 14192

Part No.	Description
14193	USB 'A' type to 5 way crimp connector
14194	USB 'B' type to 5 way crimp connector
14191	5 way PCB header straight
14192	5 way PCB header right angle

Sealing Caps

- Sealing caps to maintain IP rating when connectors are not in use
- PXP6081 for cable connectors PXP6040 & PXP6041
- PXP6083 for front panel mount connectors PXP6042 & PXP6043, with 30° twist lock

PXP6081
PXP6083

Part No.	Description
PXP6081	Sealing Cap for Flex cable connectors (PXP6040, PXP6041)
PXP6083	Sealing Cap for front panel mounting connector (PXP6042, PXP6043)

PXP / **6XXX** / **X** / **XXXX**

Series Designation

Series / Body Style

040 = Single ended cable
041 = Double ended cable
042 = Panel with adaptor
043 = Panel with lead

Characteristics

A = 'A' type sealed interface
B = 'B' type sealed interface
AB = 'A' & 'B ' type sealed interface
(for use with 6041 only)

Cable length

2M00 = 2 metre cable length (for use with 6040 and 6041 cables only)
3M00 = 3 metre cable length (for use with 6040 and 6041 cables only)
5M00 = 5 metre cable length (for use with 6040 and 6041 cables only)
Blank for 6042 & 6043 panel bodies

Examples

PXP6040/A/2M00 = Cable assembly with sealed 'A' type connector to unsealed 'B'
type connector, 2 metres long

PXP6042/A = Panel mounted adapter with sealed 'A' type to unsealed 'B' type at rear