



Buccaneer®

A full range of IP68 rated environmentally sealed circular connectors designed to provide secure and safe connections in harsh or hostile conditions.

The multi-pole ranges consist of the miniature 400 Series, Mini, Standard and the 900 series. Screw terminations ensure simple 'field' connection, whilst crimp terminations fulfil the requirement for fast effective volume connections. Each range has flex cable connector, in-line flex cable connector and panel mounting connector options.

With a wide choice of alternatives from 2 to 25 poles, BNC connections and screw, solder or crimp terminations, the Buccaneer range provides the answer to many design problems.

The Data Buccaneer range now includes designs specifically for Ethernet, USB, SMB and FireWire applications. Ethernet Buccaneer meets Cat 5e requirements for data rates up to 100Mbps, USB Buccaneer is designed to meet USB version 2.0 specification for data rates up to 480Mbps, SMB Buccaneer has a frequency response up to 4GHz, and the FireWire Buccaneer meets IEEE1394a performance to 400Mbps.

The Buccaneer series finds numerous applications either in external or internal environments where protection against the ingress of dust and moisture is a system requirement.

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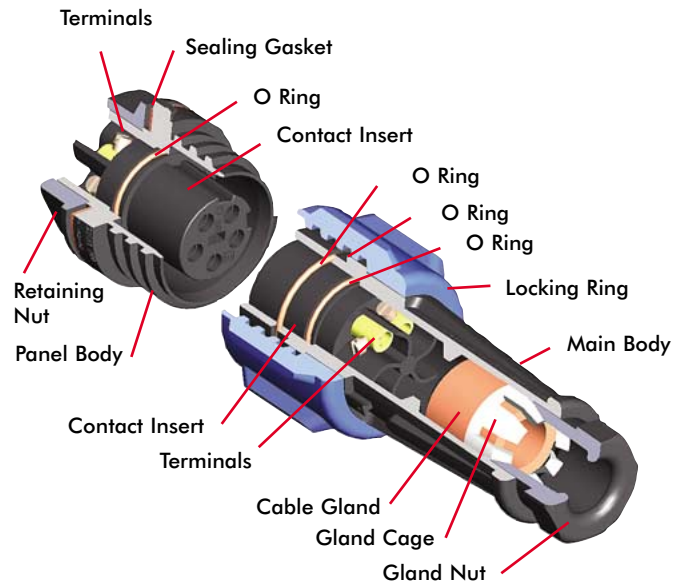
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900 Series Buccaneer®

BUCCANEER



IP68



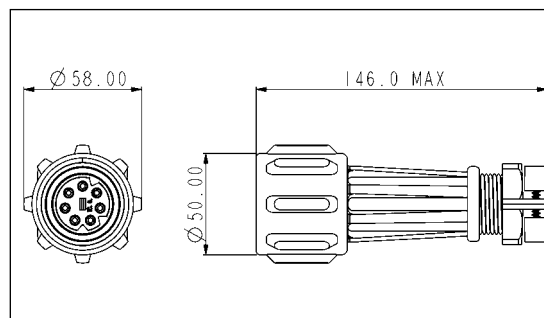
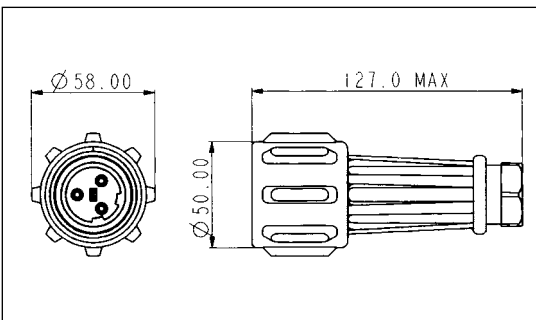
- IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- 32A, 600V ac/dc rating
- 2, 3, 4, 5 and 7 pole
- Plug or socket connection in each body style
- Water and dustproof to IP68 when mated
- 'Scoop proof' contacts
- Field termination - screw terminations
- Positive locating keyways - cannot be mis-connected
- Sealing caps available to maintain IP68 rating of unmated connectors
- Leading earth contact for 3, 4, 5 and 7 pole versions
- Trailing Neutral on 5 pole
- Compact design
- Easy assembly - no special tools required
- Single or 3 phase applications
- Bulkhead moulding available for use with flange mounting body for 45° or 90° mounting (order each separately)
- Cost effective solution
- Cable accommodation 7-22mm O/D
- Two cable connector versions for 15mm and 22mm (maximum) cable diameters
- Separate strain relief on large cable version
- UL, CSA and VDE approvals

900 Series Buccaneer®
FLEX CABLE CONNECTOR

PX0911

PXA911

- Mates with in-line flex or panel mounting versions
- Positive, fast acting locking ring - can be turned with a gloved hand
- Plug or socket versions
- PX0 Series 13-15mm cable dia. as standard, 7-13mm with additional gland pack
- PXA Series 20-22mm cable dia. as standard, 14-20mm with additional gland pack
- Strain Relief Clamp (PXA Series only)


Flex Cable

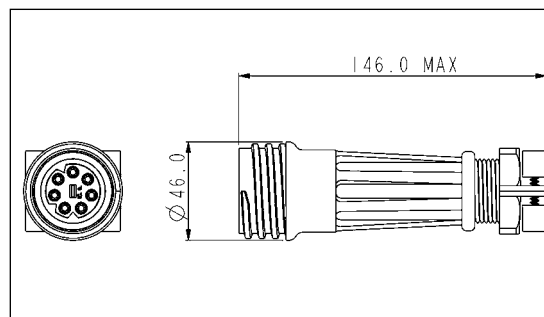
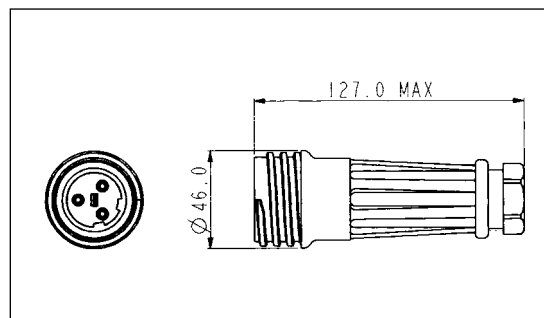
Standard Cable	Large Cable	Description	Standard Cable	Large Cable	Description
PX0911/02/P	PXA911/02/P	2 pole Plug	PX0911/02/S	PXA911/02/S	2 pole Socket
PX0911/03/P	PXA911/03/P	3 pole Plug	PX0911/03/S	PXA911/03/S	3 pole Socket
PX0911/04/P	PXA911/04/P	4 pole Plug	PX0911/04/S	PXA911/04/S	4 pole Socket
PX0911/05/P	PXA911/05/P	5 pole Plug	PX0911/05/S	PXA911/05/S	5 pole Socket
PX0911/07/P	PXA911/07/P	7 pole Plug	PX0911/07/S	PXA911/07/S	7 pole Socket

IN-LINE FLEX CABLE CONNECTOR

PX0921

PXA921

- Mates with either PX0911 or PXA911 connectors
- Plug or socket versions
- PX0 Series 13-15mm cable dia. as standard, 7-13mm with additional gland pack
- PXA Series 20-22mm cable dia. as standard, 14-20mm with additional gland pack
- Strain Relief Clamp (PXA Series only)


In-Line Flex Cable

Standard Cable	Large Cable	Description	Standard Cable	Large Cable	Description
PX0921/02/P	PXA921/02/P	2 pole Plug	PX0921/02/S	PXA921/02/S	2 pole Socket
PX0921/03/P	PXA921/03/P	3 pole Plug	PX0921/03/S	PXA921/03/S	3 pole Socket
PX0921/04/P	PXA921/04/P	4 pole Plug	PX0921/04/S	PXA921/04/S	4 pole Socket
PX0921/05/P	PXA921/05/P	5 pole Plug	PX0921/05/S	PXA921/05/S	5 pole Socket
PX0921/07/P	PXA921/07/P	7 pole Plug	PX0921/07/S	PXA921/07/S	7 pole Socket

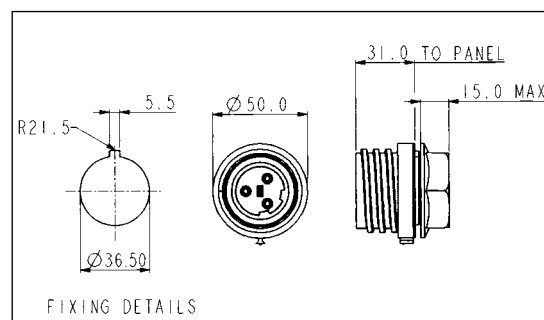
900 Series Buccaneer®

PANEL MOUNTING CONNECTOR



PX0931

- Mates with PX0911 and PXA911 connectors
- Single hole fixing
- Anti-rotation key
- High grade sealing gasket
- 3-7mm panel thickness



Panel Mounting

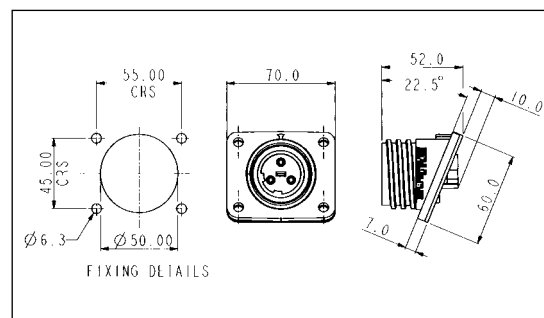
PX0931/02/P	2 pole Plug	PX0931/02/S	2 pole Socket
PX0931/03/P	3 pole Plug	PX0931/03/S	3 pole Socket
PX0931/04/P	4 pole Plug	PX0931/04/S	4 pole Socket
PX0931/05/P	5 pole Plug	PX0931/05/S	5 pole Socket
PX0931/07/P	7 pole Plug	PX0931/07/S	7 pole Socket

FLANGE MOUNTING CONNECTOR



PX0941

- Mates with PX0911 and PXA911 connectors
- Supplied with high grade sealing gasket
- Supplied with sealing grommets for panel fixing screws (M6 thread recommended)



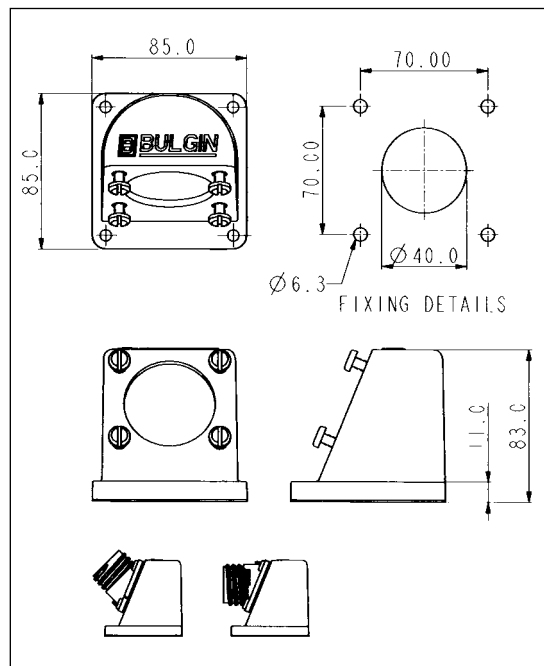
Flange Mounting

PX0941/02/P	2 pole Plug	PX0941/02/S	2 pole Socket
PX0941/03/P	3 pole Plug	PX0941/03/S	3 pole Socket
PX0941/04/P	4 pole Plug	PX0941/04/S	4 pole Socket
PX0941/05/P	5 pole Plug	PX0941/05/S	5 pole Socket
PX0941/07/P	7 pole Plug	PX0941/07/S	7 pole Socket

900 Series Buccaneer®
ADDITIONAL BULKHEAD ADAPTOR MOULDING

PX0950

- For use with flange mounting connector PX0941, to give 45° or 90° angle
- Supplied with high grade sealing gasket
- Supplied with sealing grommets for panel fixing screws (M6 thread recommended)


PX0950 & PX0941


BUCCANEER

ACCESSORIES

PX0960, PX0970

- Sealing caps to maintain IP68 rating of unmated connectors, with plastic straps


PX0990, PX0991, PX0992

- Heavy duty sealing caps to maintain IP68 rating of unmated connectors, with stainless steel straps

Sealing Caps

PX0960	Sealing cap for use with PX0911/xx/x and PXA911/xx/x
PX0970	Sealing cap for use with all other styles
PX0990	Heavy duty sealing cap for use with PX0911/xx/x and PXA911/xx/x
PX0991	Heavy duty sealing cap for use with PX0921/xx/x and PXA921/xx/x
PX0992	Heavy duty sealing cap for use with PX0931 and PX0941

Gland Packs

PX0980	Pack of 3 additional cable glands for PX0911 and PX0921 to suit cable sizes; 11-13mm, 9-11 and 7-9mm dia.
PXA980	Pack of 3 additional cable glands for PXA911 and PXA921 to suit cable sizes; 18-20mm, 16-18 and 14-16mm dia.

900 Series Buccaneer®

SPECIFICATION

Electrical:

No Poles:	2, 3	4, 5	7
Current Rating:	32A 30A, CSA	32A 25A, CSA	32A 25A, CSA*
Voltage Rating:	600V ac/dc	600V ac/dc	430V ac/dc
Contact Resistance:	<10mΩ (initial)		
Insulation Resistance:	>10 ⁹ MΩ (@ 500V dc)		
Dielectric strength:	2.2kV ac min		
AC Breakdown voltage:	6kV		
Operating Temperature Range:	-40°C to +85°C		
Approvals:			

*with 75°C min. rated cable

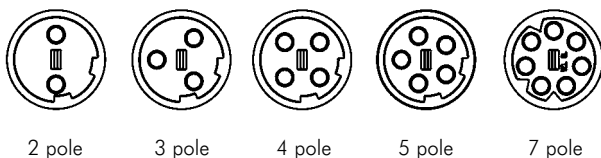
Material:

Body Mouldings:	Polyamide
Flammability Rating:	UL94V-0
UV Resistance:	To EN50021: 1999
Contacts:	Machined Solid Brass, Nickel plated
O Rings:	Nitrile
Panel Sealing Gasket:	Silicone Rubber
RoHS	Compliant

Mechanical:

Sealing:	IP68, EN60529 :1992 tested @ 1.054kg/sq.cm. (15lb/sq.in.) 10m depth for 2 weeks
Cable Acceptance:	PX0911-PX0921 13 - 15mm O/D standard, 7-13mm with gland pack PXA911-PXA921 20 - 22mm O/D standard, 14 - 20mm with gland pack
Contact Accommodation:	2.5 to 4mm ² (13 to10AWG) conductor, single or multi stranded
Termination:	Axial screw terminals
Cable Retention force:	22mm dia, 150N 15mm dia, 150N 7mm dia, 80N
Gland Nut Torques:	
PX0 range	
13-15mm (Yellow - std.)	3.16Nm (28 lb/in)
11-13mm (black)	3.16Nm (28 lb/in)
9-11mm (white)	3.16Nm (28 lb/in)
7-9mm (dark grey)	3.16Nm (28 lb/in)
PXA range	
20-22mm (Yellow - std.)	3.16Nm (28 lb/in)
18-20mm (black)	3.16Nm (28 lb/in)
16-18mm (white)	3.16Nm (28 lb/in)
14-16mm (dark grey)	3.16Nm (28 lb/in)
Tightening Torques:	
Panel mount nut	2.25 Nm
Flange & Bulkhead fixing screws	0.9 Nm

CONTACT LAYOUT



Dimensions:

Overall dimensions of connectors when mated together

PX0911 + PX0921	230 mm max.
PXA911 + PXA921	270 mm max.
PX0911 + PX0931	135 mm max. (to panel)
PXA911 + PX0931	175 mm max. (to panel)
PX0911 + PX0941	145 mm max. (to panel, mid point on flange)
PXA911 + PX0941	174 mm max. (to panel, mid point on flange)

PART NO SYSTEM
PXx9 x x / xx / x / xx
Series Designation

09 = Standard Cable Accommodation (7-13mm)

A9 = Large Cable Accommodation (14-22mm)

Body Styles

 1 = Flex, 2 = Flex In-line,
3 = Panel, 4 = Flange Panel

Contact Termination

1 = Screw Terminal

Number Contacts

 02 = 2 pole, 03 = 3 pole, 04 = 4 pole,
05 = 5 pole, 07 = 7 pole

Contact Type

P = Plug, S = Socket

Cable Acceptance

PX0 version:

Blank = 13-15mm Yellow cable gland (standard)

03 = 11-13mm Black cable gland

02 = 9-11mm White cable gland

01 = 7-9mm Dark Grey cable gland

PXA version:

Blank = 20-22mm Yellow cable gland (standard)

09 = 18-20mm Black cable gland

08 = 16-18mm White cable gland

07 = 14-16mm Dark Grey cable gland

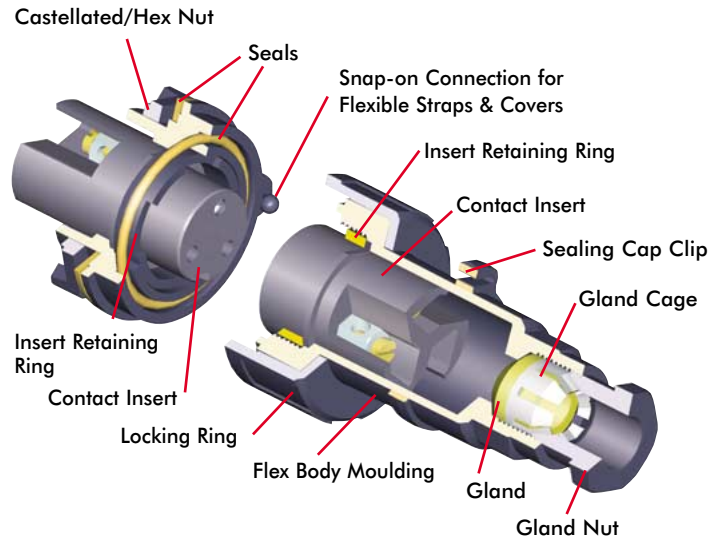
Example:

PX0911/07/P/03 = Flex cable connector with standard cable accommodation body, seven pin contacts, with gland to suit 11-13mm cable.



Standard Buccaneer®

BUCCANEER

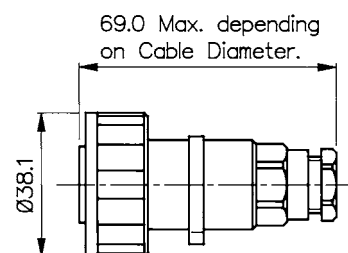


- IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks and 9.84kg/sq cm (140lb/sq in) 100m depth for 12 hours
- Water and dustproof to IP68 when mated
- 2, 3, 4, 6, 7, 9, 12 and 25 pole
- 10A, 250V a.c./d.c. 2 pole screw terminal, 3 pole screw terminal and crimp contacts
- 6A, 250V a.c./d.c. 4 pole screw terminal
- 3A, 250V a.c./d.c. 6 and 7 pole screw terminal
- 5A, 150V a.c./d.c. 9 pole crimp contacts
- 5A, 50V a.c./d.c. 12 pole crimp and solder contacts
- 1A, 50V a.c./d.c. 25 pole crimp and solder contacts
- BNC versions 50Ω and 75Ω
- Plug or socket connection in each body style
- Compact design
- Diameter over coupling ring 38mm
- Sealing caps available to maintain IP68 rating of unmated connectors
- 7 body styles - flex cable, in-line flex cable, panel mount (front), panel mount (rear), PCB mount, bulkhead and flange mount
- Leading earth contact for 3 pole socket version
- Positive locating keyways - cannot be mis-connected
- Easy assembly - no special tools required on screw terminal versions
- Cable range from 3.5mm - 9mm
- Colour coded identification variants
- UL, CSA and VDE approvals

Standard Buccaneer®
FLEX CABLE CONNECTOR

PX0731/P

- Mates with In-Line Flex or Panel Mounting Versions
- Screw Locking Ring
- Pin or Socket Versions
- Leading Earth on 3 pole connectors
- Poles 2, 3, 4, 6, 7, 9, 12, 25 or BNC
- Standard Cable Acceptance (2 to 9 pole) 6-8mm, 3.5-9mm with alternative glands

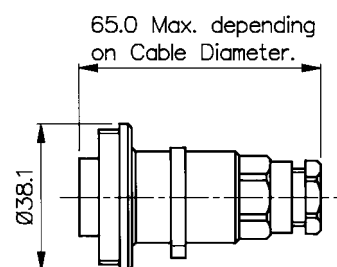


Poles	Termination	Pin Contacts	Socket Contacts	Contacts
2	Screw	PX0736/P	PX0736/S	Supplied Fitted
3	Screw	PX0731/P	PX0731/S	Supplied Fitted
3	Crimp	PX0776/P	PX0776/S	Supplied Loose
4	Screw	PX0748/P	PX0748/S	Supplied Fitted
6	Screw	PX0739/P	PX0739/S	Supplied Fitted
7	Screw	PX0745/P	PX0745/S	Supplied Fitted
9	Crimp	PX0728/P	PX0728/S	Supplied Loose
12	Crimp/Solder	PX0794/P	PX0794/S	Order Separately
25	Crimp/Solder	PX0820/P	PX0820/S	Order Separately
50ΩBNC	Crimp	PX0742/P/50OHM		Supplied Loose
75ΩBNC	Crimp	PX0742/P/75OHM		Supplied Loose

IN-LINE FLEX CABLE CONNECTOR

PX0732/S

- Mates with Flex Cable Connector
- Pin or Socket Versions
- Leading Earth on 3 pole connectors
- Poles 2, 3, 4, 6, 7, 9, 12, 25 or BNC
- Standard Cable Acceptance (2 to 9 pole) 6-8mm, 3.5-9mm with alternative glands



Poles	Termination	Pin Contacts	Socket Contacts	Contacts
2	Screw	PX0737/P	PX0737/S	Supplied Fitted
3	Screw	PX0732/P	PX0732/S	Supplied Fitted
3	Crimp	PX0778/P	PX0778/S	Supplied Loose
4	Screw	PX0749/P	PX0749/S	Supplied Fitted
6	Screw	PX0740/P	PX0740/S	Supplied Fitted
7	Screw	PX0746/P	PX0746/S	Supplied Fitted
9	Crimp	PX0729/P	PX0729/S	Supplied Loose
12	Crimp/Solder	PX0795/P	PX0795/S	Order Separately
25	Crimp/Solder	PX0821/P	PX0821/S	Order Separately
50ΩBNC	Crimp		PX0743/S/50OHM	Supplied Loose
75ΩBNC	Crimp		PX0743/S/75OHM	Supplied Loose

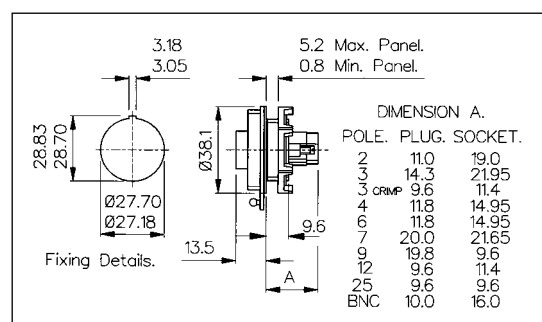
Standard Buccaneer®

FRONT PANEL MOUNTING CONNECTOR



PX0730/P

- Mates with Flex Cable Connector
- Front panel mounting
- Single Hole Fixing
- Pin or Socket Versions
- Poles 2, 3, 4, 6, 7, 9, 12, 25 or BNC



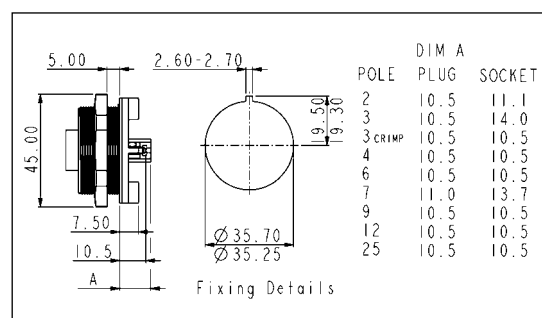
Poles	Termination	Pin Contacts	Socket Contacts	Contacts
2	Screw	PX0735/P	PX0735/S	Supplied Fitted
3	Screw	PX0730/P	PX0730/S	Supplied Fitted
3	Crimp	PX0779/P	PX0779/S	Supplied Loose
4	Screw	PX0747/P	PX0747/S	Supplied Fitted
6	Screw	PX0738/P	PX0738/S	Supplied Fitted
7	Screw	PX0744/P	PX0744/S	Supplied Fitted
9	Crimp	PX0727/P	PX0727/S	Supplied Loose
12	Crimp/Solder	PX0796/P	PX0796/S	Order Separately
25	Crimp/Solder	PX0822/P	PX0822/S	Order Separately
50ΩBNC	Crimp		PX0741/S/50OHM	Supplied Loose
75ΩBNC	Crimp		PX0741/S/75OHM	Supplied Loose

REAR PANEL MOUNTING CONNECTOR



PX0709/x/xx

- Mates with Flex Cable Connector
- Rear panel mounting
- Single Hole Fixing
- Pin or Socket Versions
- Poles 2, 3, 4, 6, 7, 9, 12 or 25

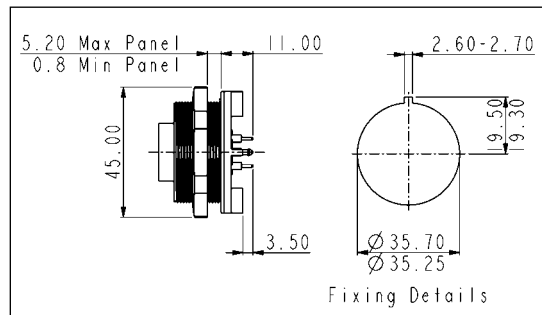


Poles	Termination	Pin Contacts	Socket Contacts	Contacts
2	Screw	PX0709/P/02	PX0709/S/02	Supplied Fitted
3	Screw	PX0709/P/03	PX0709/S/03	Supplied Fitted
3	Crimp	PX0708/P/03	PX0708/S/03	Supplied Loose
4	Screw	PX0709/P/04	PX0709/S/04	Supplied Fitted
6	Screw	PX0709/P/06	PX0709/S/06	Supplied Fitted
7	Screw	PX0709/P/07	PX0709/S/07	Supplied Fitted
9	Crimp	PX0708/P/09	PX0708/S/09	Supplied Loose
12	Crimp/Solder	PX0708/P/12	PX0708/S/12	Order Separately
25	Crimp/Solder	PX0708/P/25	PX0708/S/25	Order Separately

Standard Buccaneer®
PCB MOUNTING CONNECTOR

PX0707/P/12

- Mates with Flex Cable connector
- Rear panel mounting
- No. poles: 3, 6, 9, 12 or 25
- Pin or socket versions
- Pre-loaded Gold Plated contacts

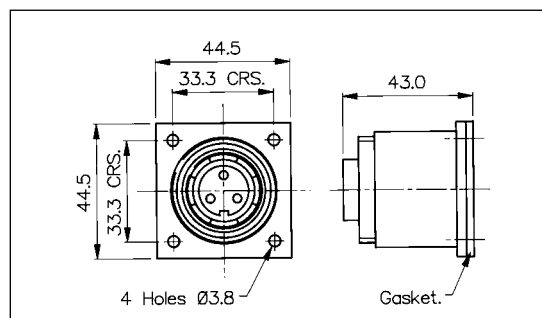


Poles	Termination	Pin Contacts	Socket Contacts	Contacts
3	PCB	PX0707/P/03	PX0707/S/03	Supplied Fitted
4	PCB	PX0707/P/04	PX0707/S/04	Supplied Fitted
6	PCB	PX0707/P/06	PX0707/S/06	Supplied Fitted
9	PCB	PX0707/P/09	PX0707/S/09	Supplied Fitted
12	PCB	PX0707/P/12	PX0707/S/12	Supplied Fitted
25	PCB	PX0707/P/25	PX0707/S/25	Supplied Fitted

BULKHEAD FLANGE MOUNTING CONNECTOR

PX0756/S

- Mates with Flex Cable Connector
- Screw Fixing Flange
- Pin or Socket Versions
- Poles 2, 3, 4, 6, 7, 9, 12, 25 or BNC
- Supplied with sealing gasket and screw sealing grommets

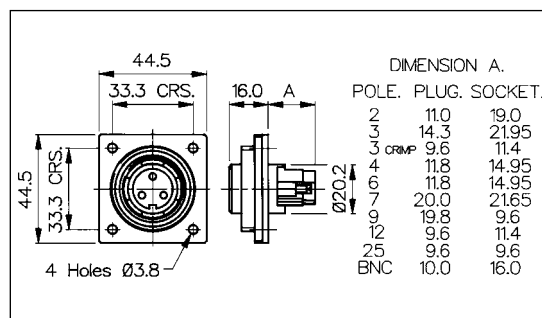


Poles	Termination	Pin Contacts	Socket Contacts	Contacts
2	Screw	PX0757/P	PX0757/S	Supplied Fitted
3	Screw	PX0756/P	PX0756/S	Supplied Fitted
3	Crimp	PX0787/P	PX0787/S	Supplied Loose
4	Screw	PX0761/P	PX0761/S	Supplied Fitted
6	Screw	PX0758/P	PX0758/S	Supplied Fitted
7	Screw	PX0760/P	PX0760/S	Supplied Fitted
9	Crimp	PX0762/P	PX0762/S	Supplied Loose
12	Crimp/Solder	PX0798/P	PX0798/S	Order Separately
25	Crimp/Solder	PX0823/P	PX0823/S	Order Separately
50ΩBNC	Crimp		PX0759/S/50OHM	Supplied Loose
75ΩBNC	Crimp		PX0759/S/75OHM	Supplied Loose

LOW PROFILE FLANGE MOUNTING CONNECTOR

PX0765/S

- Screw Flange Fixing
- Pin or Socket Versions
- Poles 2, 3, 4, 6, 7, 9, 12, 25 or BNC
- Mates with Flex Cable Connector
- Supplied with sealing gasket and screw sealing grommets



Poles	Termination	Pin Contacts	Socket Contacts	Contacts
2	Screw	PX0764/P	PX0764/S	Supplied Fitted
3	Screw	PX0765/P	PX0765/S	Supplied Fitted
3	Crimp	PX0781/P	PX0781/S	Supplied Loose
4	Screw	PX0766/P	PX0766/S	Supplied Fitted
6	Screw	PX0767/P	PX0767/S	Supplied Fitted
7	Screw	PX0768/P	PX0768/S	Supplied Fitted
9	Crimp	PX0769/P	PX0769/S	Supplied Loose
12	Crimp/Solder	PX0797/P	PX0797/S	Order Separately
25	Crimp/Solder	PX0824/P	PX0824/S	Order Separately
50ΩBNC	Crimp		PX0763/S/50OHM	Supplied Loose
75ΩBNC	Crimp		PX0763/S/75OHM	Supplied Loose

Standard Buccaneer®

COLOURED CONTACT INSERTS



Coloured Inserts

- With or without matching gland nut
- Positive visual identification
- Available in; Black, Blue, Green, Grey, Light Grey, Red, White and Yellow

Contact Inserts Colour Options

Part No Suffix	Colour
Blank	Black
BL	Blue
GN	Green
GY	Grey
LG	Light Grey
RD	Red
WH	White
YL	Yellow

Insert/Gland Nut Combinations

1	Insert and Gland Nut Coloured
2	Insert Only Coloured

e. g. PX0731/P/YL1 = Yellow insert and gland nut

CONTACTS FOR 12 AND 25 POLE INSERTS



12 & 25 way contacts

- Crimp or Solder Pins and Sockets
- Gold Plated
- Current ratings:
12 way: 5A, 50V
25 way: 1A, 50V

Contacts - Solder & Crimp for 12 and 25 pole

Contacts (for 25 pole) (Supplied in packs of 10)	Solder	Crimp
Pins	SA3180/1	SA3180
Sockets	SA3179/1	SA3179

Contacts (for 12 pole) (Supplied in packs of 10)	Solder	Crimp
Pins	SA3348/1	SA3348
Sockets	SA3347/1	SA3347

ASSEMBLY TOOLS



PNo 13027 and 13170

- Crimp Tools for 3, 9, 12 and 25 pole crimp contacts
- Insertion/Extraction Tool for 25 pole contacts

Tools

Crimp Tool (25 pole)	PNo. 13170
Crimp Tool (12 pole)	PNo. 14025
Positioner (12 pole)	PNo. 14025/5AMP
Crimp Tool (9 pole)	PNo. 13826
Crimp Tool (3 pole)	PNo. 14232
3 pole positioner	PNo. 14232/1
Insertion/Extraction Tool (25 pole)	PNo. 13027
Insertion/Extraction Tool (12 pole)	PNo. 13027/1
Hex Cavities for BNC Inserts	
Centre Contact:	1.69 A/F (B.S. 'W'/ERMA XA)
Braid:	6.48 A/F (B.S. 'E'/ERMA XH)

CABLE GLANDS



SA3253

- Pack of alternative cable glands to suit cables from 3.5 to 9mm dia.

Cable Acceptance - Alternatives

Cable Diameter	Gland Part No.	Gland Colour	Additional Suffix
6-8mm	12023	Black	Standard for 2-12 pole
3.5-5mm	SA3426	Grey	Suffix /04†
5-7mm	12023/1	White	Suffix /05
7-9mm	12023/2	Yellow	Suffix /07*
Gland Pack	SA3253		Pack of 3 glands to suit cables 3.5-5mm, 5-7mm & 7-9mm dia†

*Note: 7-9mm gland standard for 25 way, no suffix required.

†Includes additional black gland cage for 3.5-5mm dia. cable range.

To order connector with alternative cable gland add suffix to part no. e.g. PX0731/P/07 = PX0731 3 pin connector with cable gland to suit 7-9mm dia. cable.

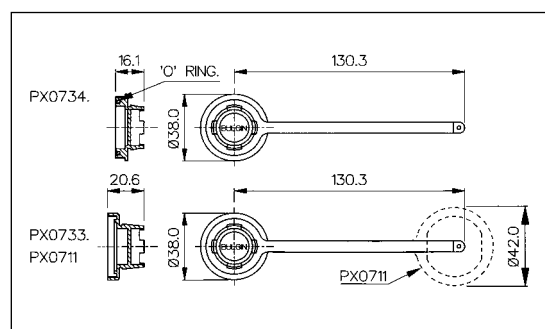
Cable Acceptance - Standard as supplied

No. Contacts	Cable Diameter or Type
2-12 Pole	6-8mm
25 Pole	7-9mm
BNC 50Ω	RG 58/CU, URM43, URM76
BNC 75Ω	URM70

Standard Buccaneer®
SEALING CAP/ASSEMBLY TOOL

PX0734 PX0733

- Maintains IP68 Rating of Unmated Connectors
- Can be used to remove Inserts
- PX0734 for Flex Cable Connector
- PX0733 for In-line Flex, Front Panel, Bulkhead and Flange mount connectors
- PX0711 for PCB and Rear Panel Mount connectors



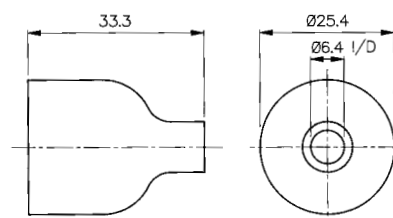
BUCCANEER

PVC INSULATION BOOT

PNo. 12855

- Protects Rear of the Connector
- Flammability Rating UL94V-0
- Fits Front Panel Mount Versions only

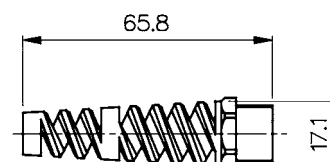
12855 for panel mounting types only.


CABLE SUPPORT ACCESSORY

PNo. 12237

- Gives Extra Support to the Cable
- Suitable for 5-7mm and 7-9mm Cable Diameters

12237 provides additional cable support. Suitable for 5-7mm and 7-9mm cables.



Standard Buccaneer®

PART NO SYSTEM

PX0xxx / x / xx / xx x

Body Styles _____

Contacts Type _____

P = Pin
S = Socket

Cable Acceptance or PCB/Rear Panel Mounting _____

Flex Cable and In-line Flex Connectors cable acceptance use:
Blank = 6-8mm (Black) standard for 2-12 pole
04 = 3.5-5mm (Grey)
05 = 5-7mm (White)
07 = 7-9mm (Yellow) (standard for 25 way, no suffix required)
 PCB (PX0707) and Rear Panel Mount connectors (PX0708 and PX0709) use:
02 = 2 pole
03 = 3 pole
04 = 4 pole
06 = 6 pole
07 = 7 pole
09 = 9 pole
12 = 12 pole
25 = 25 pole
 Front Panel, Bulkhead and Flange Mount - not required:

Insert/Gland Nut Colour _____

Blank = Black **LG** = Light Grey
BL = Blue **RD** = Red
GN = Green **WH** = White
GY = Grey **YL** = Yellow

Insert/Gland Nut Colour Combination _____

1 = Insert and Gland Nut Coloured
2 = Insert only Coloured

Examples:

PX0707/P/06 = PCB Panel connector, pin contacts, 6 pole
 PX0731/S = Flex Cable connector, socket contacts, 3 pole
 PX0732/P/07/BL2 = In-Line Flex Cable connector, pin contacts, 3 pole, 7-9mm cable acceptance, blue insert

SPECIFICATION
Electrical:

No. Poles:	2, 3 4 6, 7 9 12 25
Current Rating:	10A 6A 3A 5A 5A 1A
Voltage Rating (ac/dc):	250V 250V 250V 150V 50V 50V
Contact Resistance:	<10mΩ (2-9 Pole) <5mΩ (12 Pole) <5mΩ (25 Pole)
Insulation Resistance:	>10 ⁴ MΩ @ 500V d.c. (2-9 Pole)
AC Breakdown voltage:	4kV Pole - Pole (2-9 Pole) 6kV Poles - Panel (Low Profile Flange and Panel Types – 2-9 Pole) 7.5kV Poles - Panel (Other Types – 2-9 Pole)
Operating Temp. Range:	-20°C to +70°C
Approvals:	 Approvals pending: 3 way crimp, 12 way, PX0707 & PX0709

Material:

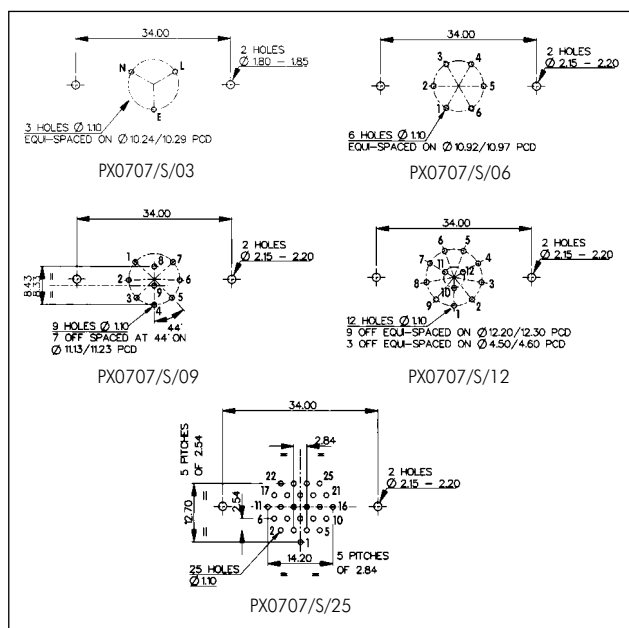
Body Mouldings:	Glass Filled Polyamide UL94HB
Inserts (2-25 pole):	Polyamide UL94V-0
Contacts:	
Screw Terminal:	Brass, Nickel Plated
Crimp (9 pole):	Copper Alloy, Tin Plated
Crimp/Solder (12 + 25 Pole):	Copper Alloy, Gold Plated (0.1μm on Nickel)
BNC inserts:	Brass, Nickel Plated
BNC contacts:	Brass, Silver Plated
	Compliant

RoHS
Mechanical:

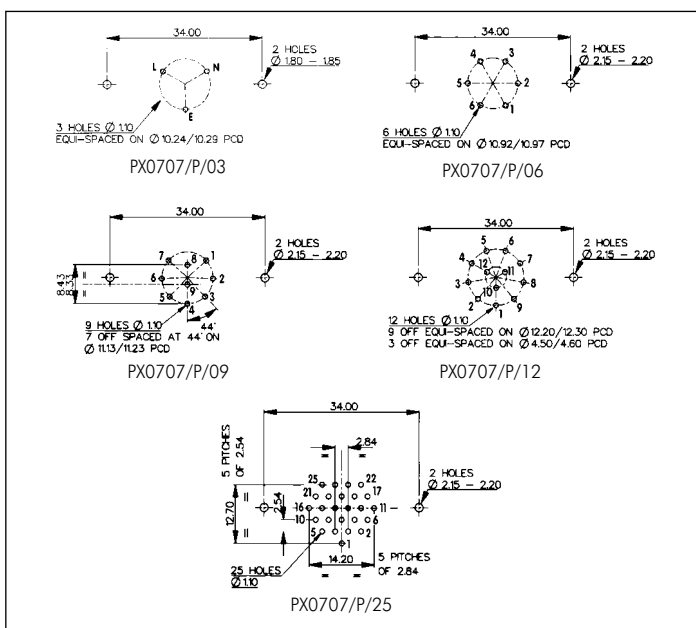
Sealing:	IP68, BS 5490 : 1977 Tested @ 1.054kg/sq.cm. (15lb/sq.in.) 10m depth for 2 weeks. BSEN 60529 : 1992 Tested @ 9.84kg/sq.cm. (140lb/sq.in.) 100m depth for 12 hours.
Cable Acceptance:	
2-12 Pole - standard gland:	6-8mm dia
2-12 Pole - alternative glands:	3.5-9mm dia
25 Pole - standard gland:	7-9mm dim
25 Pole - alternative glands:	3.5-7mm dim
BNC 50Ω:	RG 58/CU, URM43 & URM76
BNC 75Ω:	URM70
Contact Accommodation:	
2 and 3 pole screw terminals:	4mm ² (12AWG) max
3 pole crimp:	
4, 6 and 7 pole:	1.5mm ² (16AWG) max
9 pole:	0.12-0.21mm ² (24-26AWG)
12 pole:	0.32mm ² (22-26AWG) max
25 pole:	0.12-0.21mm ² (24-26AWG)
Terminations:	
2-7 Pole:	Screw Terminals
3 Pole:	Screw Terminals & Crimp
9 Pole:	Crimp Contacts
12 Pole:	Crimp & Solder Contacts
25 Pole:	Crimp & Solder Contacts
Tightening Torques:	
Flex Mounting/In-Line:	Gland Nut; 1.13Nm (10lbf.in.)
Panel Mounting:	Rear Fixing Nut; 1.7Nm (15lbf.in.)
Surface/Bulkhead and Low Profile Flange Mounting:	4 Fixing Screws (using washers supplied) 0.34Nm (3lbf.in.)
Sealings Caps/Locking Ring:	1.13Nm (10lbf.in.)

PCB LAYOUTS
Sockets

Contact Nos viewed from rear of panel


Pins

Contact Nos viewed from rear of panel

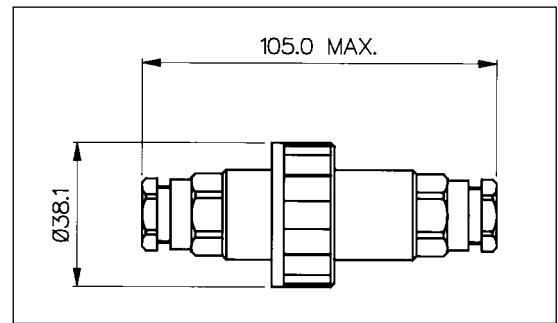
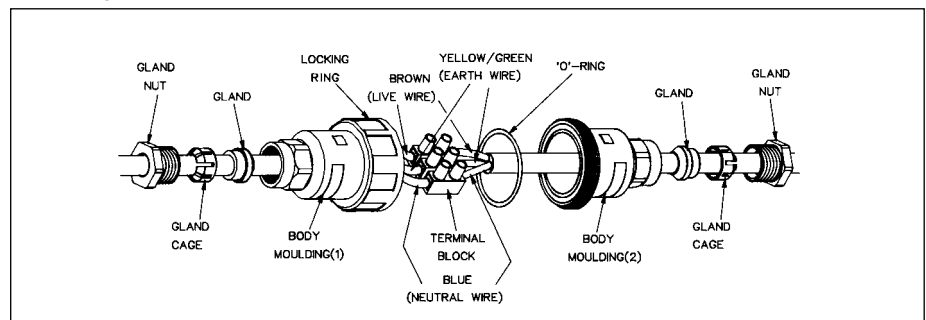


Sealed In-Line Cable Joiner

CABLE JOINER


PX0777

- IP68 Rating
- For Sealed In-Line Connections
- Standard Cable Acceptance 6-8mm
- Cable Range 3.5-9mm (using alternative glands)
- Supplied with 3 way Terminal Block
- Available Moulded in Black or Orange


PX0777/OR


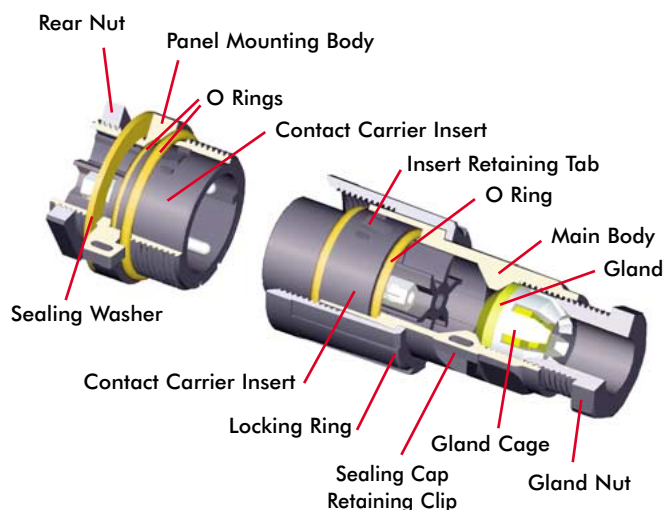
Specification

PX0777

Rating:	16A, 250V a.c.
Wire Termination:	3 way Terminal Block (2.5mm ² -14 AWG max)
Cable Acceptance:	6-8mm dia alternative glands available on request
Material:	Glass Filled Polyamide UL94HB
Sealing:	IP68 to BSEN 60529 : 1992 1.054kg/sq.cm. (15lbs/sq.in.) 10m depth for 2 weeks
Operating Temp. Range:	-20°C to +70°C
Colour:	Black Orange (Add /OR to PNo.)
BNC Cable Types:	50 ohm – RG58/CU, URM43 & URM76 For BNC version of PX0777 add /50OHM to PNo.
Approvals:	Ⓢ (Standard part no. only)
RoHS	Compliant

IP68


Mini Buccaneer®



BUCCANEER

- Water and dustproof to IP68 when mated
- IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- 2, 3, 4 or 6 pole screw terminal inserts
- 3 or 8 pole solder or crimp inserts
- 5 body styles, Flex, Flex In-Line, Panel (2 styles), Panel Side Entry
- 50Ω or 75Ω BNC inserts
- 5A, 380V a.c. 3 & 8 way solder/crimp terminals
- 10A, 250V a.c. 2 & 3 way screw terminals
- 6A, 250V a.c. 4 way screw terminal
- 3A, 250V a.c. 6 way screw terminal
- Plug or socket connection in each body style
- Cable range from 3.5mm - 9mm
- Diameter over coupling ring 26mm
- Positive locating keyways - cannot be mis-mated
- Sealing caps available to maintain IP68 rating of unmated connectors
- Flammability rating UL94V-0 material
- Leading earth contact for 3 pole plug version
- Compact design
- Easy assembly - no special tools required on screw terminal versions
- UL approval

Mini Buccaneer®

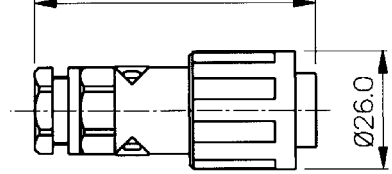
FLEX CABLE CONNECTOR



PX0800 - shown with insert

- PX0800 Connector body
- Mates with Flex In-line or Panel Mounting versions
- Screw locking ring
- Suitable for Pin or Socket inserts
- Cable Acceptance 3.5-9mm (Standard 5-7mm)
- Contact inserts supplied separately

61.5 Max. Depending on Cable Dia. / Pin or Socket Carrier.



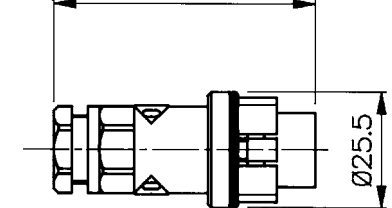
IN-LINE FLEX CABLE CONNECTOR



PX0801 - shown with insert

- PX0801 Connector body
- Mates with PX0800 - Flex Cable connector
- Suitable for Pin or Socket inserts
- Cable Acceptance 3.5-9mm (Standard 5-7mm)
- Contact inserts supplied separately

61.5 Max. Depending on Cable Dia. / Pin or Socket Carrier.



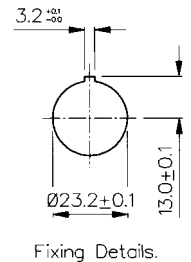
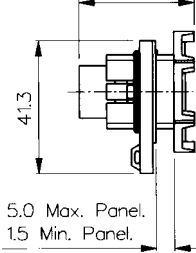
PANEL MOUNTING



PX0802 - shown with insert

- PX0802 Connector body
- Mates with PX0800 - Flex Cable connector
- Single hole fixing
- Suitable for Pin or Socket inserts
- Contact inserts supplied separately

37.0 Max. Depending on Pin or Socket Carrier.



Fixing Details.

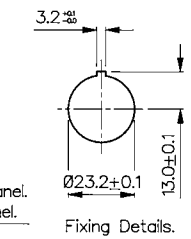
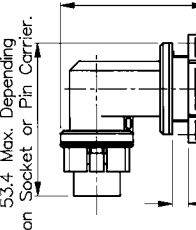
PANEL MOUNTING



PX0803 - shown with insert

- PX0803 Connector body
- Mates with PX0800 - Flex Cable connector
- Right angle cable entry
- Single hole fixing
- Suitable for Pin or Socket inserts
- Contact inserts supplied separately

53.4 Max. Depending on Panel Thickness.



Fixing Details.

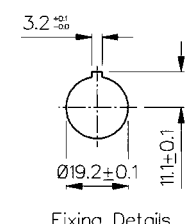
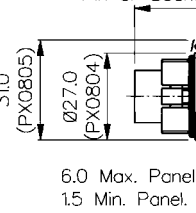
PANEL MOUNTING



PX0805 - shown with insert

- PX0804 and PX0805 Connector bodies
- Mates with PX0800 - Flex Cable connector
- PX0804 without sealing cap retaining clip, PX0805 with sealing cap retaining clip
- Single hole fixing
- Suitable for Pin or Socket inserts
- Contact inserts supplied separately

33.6 Max. Depending on Pin or Socket Carrier.



Fixing Details.

Mini Buccaneer®

SCREW TERMINAL INSERTS



- 2, 3, 4 and 6 Poles
- Fits all Body Styles - see page 36
- Leading Earth Pin on 3, 4 and 6 pole inserts
- Nickel Plated contacts

Screw Terminal Inserts - fit all body styles

No. Poles	Socket	Pin
2	SA3319	SA3320
3	SA3229	SA3230
4	SA3242	SA3241
6	SA3244	SA3243

CONTACT CARRIER INSERTS



- For Solder or Crimp Contacts
- 3 or 8 Pin
- Fits all Body Styles - see page 36
- Contacts Supplied Separately

Solder & Crimp Contact Carrier Inserts - fit all body styles.

No. Poles	Solder	Colour	Crimp	Colour
8 pin	12734/1	Black	12734	Grey
8 socket	12735/1	Black	12735	Grey
3 pin	12734/3/1	Black	12734/3	Grey
3 socket	12735/3/1	Black	12735/3	Grey

CONTACTS, POLARISING/BLANKING PINS



- Gold Plated contacts
- Solder or Crimp
- Polarising/Blanking pins

Contacts - Solder & Crimp - for contact carrier inserts

Contacts (Supplied in packs of 10)	Solder	Crimp
Pins	SA3148/1	SA3148
Sockets	SA3149/1	SA3149
Polarising/Blanking Pins	SA3147	
Contact Insertion Tool: Must be used to load contacts into inserts.	SA3150	
Crimping Tool	SA2800	

BNC INSERT KIT

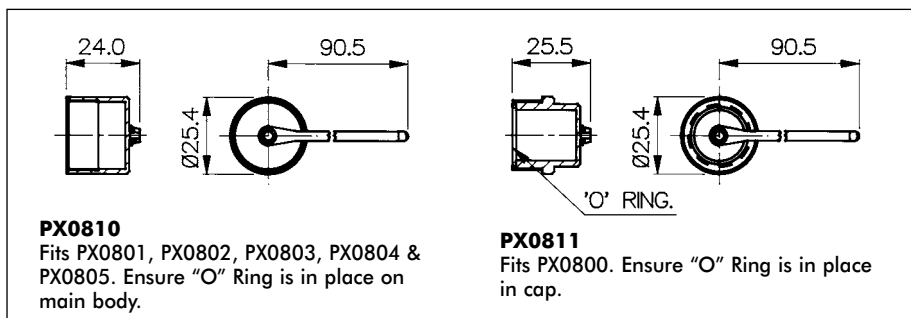


- BNC inserts for 50Ω and 75Ω co-ax cables
- Includes gland and washer to suit coax cable
- Fits all Body Styles (except PX0803) - see page 32

BNC Inserts - fit all body styles except PX0803

Imp.	Cable Type	Contacts	Part No.
50Ω	RG58/CU, URM43, URM76	Plug	SA3159/1
50Ω	RG58/CU, URM43, URM76	Socket	SA3157/1
75Ω	URM70	Plug	SA3159
75Ω	URM70	Socket	SA3157

SEALING CAPS



Mini Buccaneer® Contact Inserts and Accessories

SPECIFICATION

Electrical	Solder/Crimp Terminals	Screw Terminals	BNC
No Poles:	3, 8	2, 3 4 6	
Current Rating:	5A	10A 6A 3A	
Voltage Rating:	380V ac	250V ac 250V ac 250V ac	
Contact Resistance:	<5mΩ		
Insulation Resistance:	>10 ⁶ MΩ @ 500V d.c.		
Voltage Proof:	2kV @ 50Hz		
Operating Temp. Range:	-20°C to +70°C		
Approvals:			
Materials	Solder/Crimp Terminals	Screw Terminals	BNC
Body Mouldings:	Polyamide UL94V-0	Polyamide UL94V-0	
Inserts:	Polyamide UL94V-0	Polyamide UL94V-0	
Contacts:	Copper Alloy, Gold Plated (0.1μm) on Nickel	Brass, Nickel Plated	Brass, Silver Plated.
O Rings:	Nitrile		
RoHS	Compliant	Compliant	Compliant
Mechanical	Solder/Crimp Terminals	Screw Terminals	BNC
Sealing:	Protection Classification IP68, BS EN60529:1992. Tested @ 1.054kg/sq.in. (15lb/sq.in.) 10m depth for 2 weeks.		
Cable Acceptance	5-7mm dia - standard gland 3.5-9mm dia - alternative glands		
Contact Accommodation:	0.2 - 0.5mm ² (20 - 24 AWG)	1mm ² max (18 AWG)	50Ω: RG58/CU, URM43, URM76 75Ω: URM70
Insertion Force (typical):	3 way: 5N (1.1lbf) 8 way: 14N (3.1lbf)	3 way: 45N (10lbf) 4 way: 50N (11lbf) 6 way: 140N (31lbf)	
Withdrawal Force (typical):	3 way: 3N (0.66lbf) 8 way: 12N (2.6lbf)	3 way: 32N (7lbf) 4 way: 40N (9lbf) 6 way: 150N (34lbf)	
Tightening Torques			
Gland Nut, PX0800, 801:	1.13Nm (10lbf in)		
Rear Nut, PX0802, 803, 804, 805:	0.7Nm min, 1.7Nm max (6.2lbf in min, 15lbf in max)		
Sealing Cap, PX0810, 811:	0.23Nm min, 1.13Nm max (2lbf in min, 10lbf in max)		

HOW TO ORDER

- Choose body type, check cable diameter and sealing gland size.
- Determine contact carrier inserts. Choose number of poles, and type of contacts (solder, crimp, screw terminal or BNC).
- Choose pins or sockets. Solder and crimp contacts are supplied separately in packs of ten.
- Choose polarising/blanking pins. If required for solder/crimp contact inserts. Supplied in packs of ten.
- Is an insertion tool required (for solder or crimp contacts)?
- Is a crimp tool required?
- Is a sealing cap required?

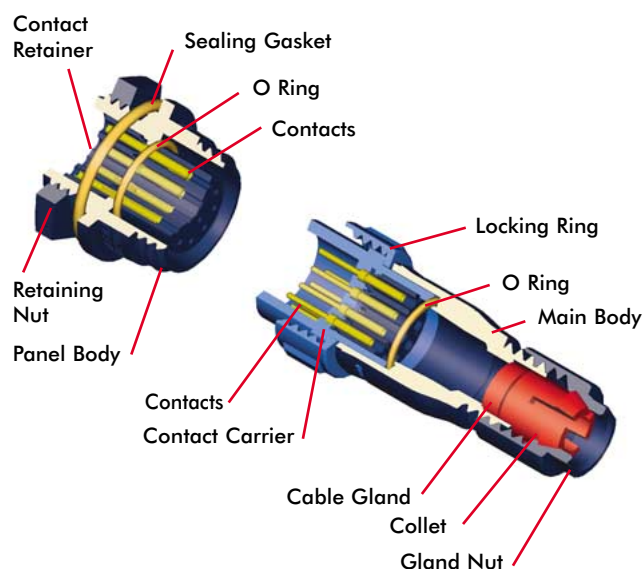
CABLE ACCEPTANCE

Cable gland for 5-7mm fitted as standard.
BNC Insert Kit includes gland & washer to fit coax cable.

Cable Diameter	Gland Part No.	Gland Colour	Additional Suffix
5-7mm	12023/1	White	Fitted as standard
3.5-5mm	SA3426	Grey	Suffix /04†
6-8mm	12023	Black	Suffix /06
7-9mm	12023/2	Yellow	Suffix /07
Gland Pack	PX0812	Pack of 3 glands to suit cables 3.5-5mm, 6-8mm, 7-9mm dia†	

To order body with alternative cable gland add suffix to part no. e.g.
PX0800/06 = PX0800 body with cable gland to suit 6-8mm dia. cable.
†Includes additional black gland cage for 3.5-5mm dia. cable range.

400 Series Buccaneer®

IP68


- Sealed to IP68 when mated
- IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- 2 and 3 pole - 8A, 250V rating
- 4, 6 and 8 pole - 5A, 125V rating
- 10 and 12 pole - 1A, 50V rating
- 2.5mm contact engagement for electrical integrity
- 'Scoop proof' contacts
- Contact inserts are part of body moulding
- Cable range from 3 to 7mm
- Overall length (flex + flex in-line) 80mm
- Gold plated contacts
- Diameter over coupling ring 19.1mm
- Flex, Flex In-Line, Front Panel, Rear Panel and PCB mounting body styles
- Plug and Socket versions in all body styles
- Flame Retardant moulding material - Polyamide UL94-V0
- Contacts supplied separately (except PCB version)
- Sealing caps available to maintain IP68 rating
- Secure sealing system
- Crimp and solder contacts
- PCB mounting connector supplied with contacts pre-loaded
- Front and rear panel mounting panel connectors
- UL, CSA and VDE approvals

400 Series Buccaneer®

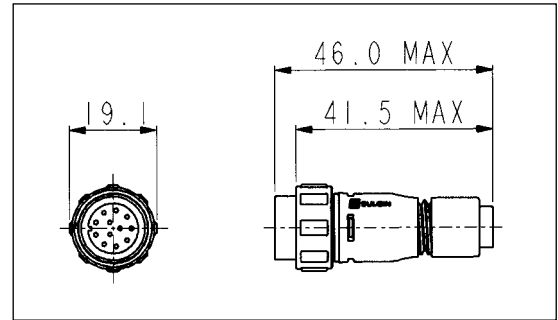
FLEX CABLE CONNECTOR



PX0410/P

PX0410/S

- Mates with Flex In-line or Panel mounting versions PX0411, PX0412 & PX0413
- Screw locking ring
- Contacts supplied separately



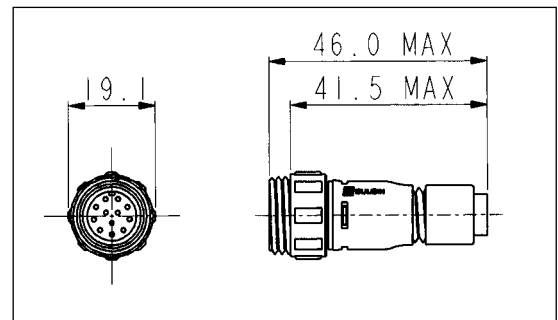
IN-LINE FLEX CABLE CONNECTOR



PX0411/P

PX0411/S

- Mates with Flex Cable connector PX0410
- For in-line cable connection
- Contacts supplied separately



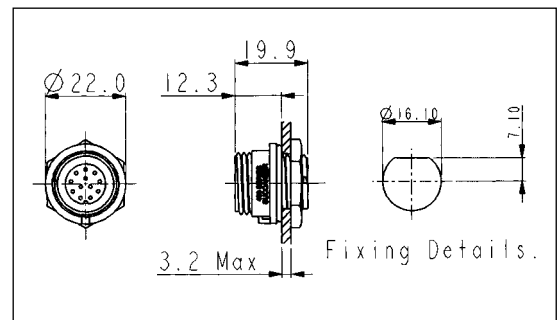
FRONT PANEL MOUNTING CONNECTOR



PX0412/P

PX0412/S

- Mates with Flex Cable connector PX0410
- Front Panel mounting
- Single hole fixing
- Contacts supplied separately



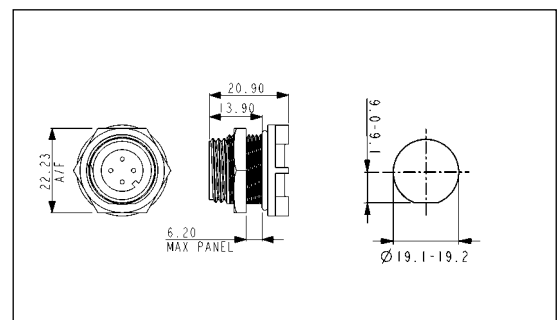
REAR PANEL MOUNTING CONNECTOR



PX0413/xxP

PX0413/xxS

- Mates with Flex Cable connector PX0410
- Rear Panel mounting
- Single hole fixing
- Contacts supplied separately
- 4, 6, 8, 10 or 12 pole



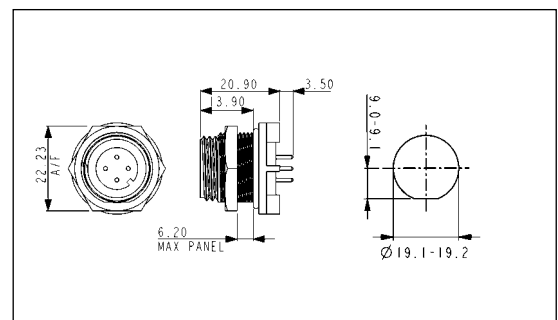
PCB MOUNTING CONNECTOR



PX0413/xxP/PC

PX0413/xxS/PC

- Mates with Flex Cable connector PX0410
- PCB Rear Panel mounting
- Straight PC spills
- Supplied with pre-loaded gold plated contacts
- 4, 6, 8, 10 or 12 pole



400 Series Buccaneer®

SEALING CAPS AND ACCESSORIES



- Maintains IP68 Rating of Unmated Connectors
- PX0480. Fits PX0412 style (panel mounting)
- PX0480/1. Fits PX0411 style (flex in-line)
- PX0481. Fits PX0410 style (flex body)
- PX0484. Fits PX0413 styles (PCB and rear panel mount)

Gland Packs

Part No	Description
PX0482	Pack of 4 pairs cable glands and collets to suit cables from 3.0 to 5.0mm diameter.
PX0483	Pack of 4 pairs cable glands and collets to suit cables from 5.0 to 7.0mm diameter.

CRIMP CONTACTS

Pole	Current Rating	Pin	Socket	Pack Qty	Cable Acceptance (dia)
2, 3	8A	SA3350	SA3349	10	20 - 24 AWG
4, 6, 8	5A	SA3348	SA3347	10	22 - 26 AWG
10, 12	1A	SA3180	SA3179	10	24 - 28 AWG

SOLDER CONTACTS

Pole	Current Rating	Pin	Socket	Pack Qty	Cable Acceptance (dia)
2, 3	8A	SA3350/1	SA3349/1	10	20 - 24 AWG
4, 6, 8	5A	SA3348/1	SA3347/1	10	22 - 26 AWG
10, 12	1A	SA3180/1	SA3179/1	10	24 - 28 AWG

CONTACT INSERTION TOOLS

	Poles	Contact rating	Colour	Part No
Insertion/Extraction Tool	2,3	8A	Blue	13027/2
Insertion/Extraction Tool	4,6,8	5A	Red	13027/1
Insertion/Extraction Tool	10,12	1A	Green	13027

CRIMP TOOLS

	Pole	Contact rating	Colour	Part No
Positioner	2,3	8A	Blue	14025/8AMP
Positioner	4,6,8	5A	Red	14025/5AMP
Positioner	10,12	1A	Green	14025/1AMP
8 Indent Crimp Tool for use with positioners				14025

ORDERING INFORMATION

- Determine body style, i.e. PX0410 = flex body, PX0411 = flex in-line body.
- Determine number of contacts & type, i.e. 02 = 2 way, P = pin contacts.
- Determine cable range, i.e. 3035 = 3.0 to 3.5mm cable accommodation, not required for PX0412 or PX0413 (panel connectors).
- Choose appropriate contacts pack, i.e. SA3350 = pin contacts suitable for 2 & 3 way connectors, supplied in pack quantities of 10. Not needed for PX0413/PC as pre-loaded.
- Is a sealing cap required?
- Is an insertion tool required?
- Is a crimp tool required?

400 Series Buccaneer®

SPECIFICATION

Electrical:

Poles:	2, 3	4, 6, 8	10, 12
Current Rating:	8A	5A	1A
Voltage Rating:	250Vac/dc	125Vac/dc	50Vac/dc
Contact Resistance:	<5mΩ		
Insulation Resistance:	>10 ⁹ MΩ (@ 500V d.c.)		
AC Breakdown Voltage:	2.5kV		
Operating Temperature Range:	-40° to +80°C		
Approvals:			
	Approvals pending for PX0413		

Material:

Body Mouldings:	Polyamide
Flammability Rating:	UL94V-0
UV Resistance:	To EN 50021:1999
Contacts:	Copper alloy, Gold plated
O Rings:	Nitrile
Panel Sealing O Ring:	Nitrile
RoHS	Compliant

Mechanical:

Sealing:	IP68, EN 60529 tested @ 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks						
Cable Acceptance:	3.0 - 7.0mm						
Contact Accommodation:	2, 3 pole, 20 - 24 AWG 4, 6, 8 pole, 22 - 26 AWG 10, 12 pole, 24 - 28 AWG						
Termination:	Crimp, solder and PCB						
Insertion/Withdrawal Force:							
No. poles:	2	3	4	6	8	10	12
Insertion Force (typ):	19N	25N	27N	27N	28N	55N	62N
Withdrawal Force (typ):	12N	17N	17N	21N	22N	25N	29N
Tightening Torques:							
Panel mount (PX0412)							
Front fixing nut:	1.36Nm (12lbf.in.)						
Panel mount (PX0413)							
Rear fixing nut:	1.36Nm (12lbf.in.)						
Cable Retention force:							
3mm dia	60N						
4.7mm dia	80N						

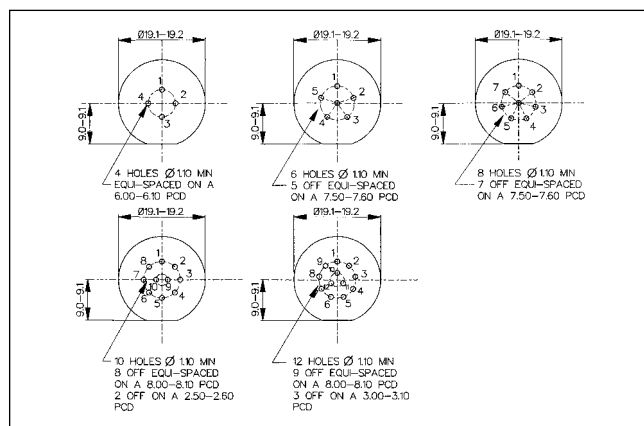
Dimensions:

Overall dimensions of connectors when mated together	
Flex + Flex In-Line	80mm
Dia. over coupling ring	19.1mm

PCB CONTACT LAYOUT

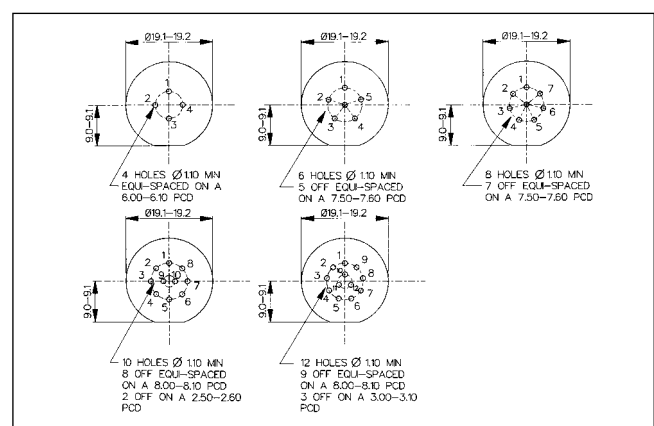
Sockets

Contact numbers viewed from rear of panel

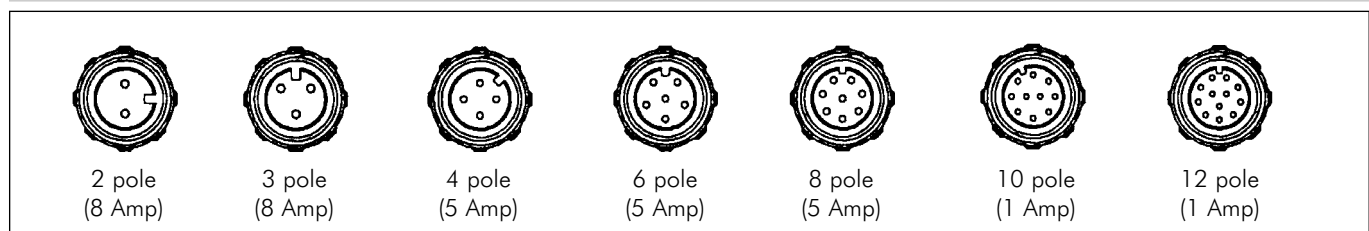


Plugs

Contact numbers viewed from rear of panel



CONTACT LAYOUT



PART NO. SYSTEM
PX04xx / xx x / xxxx
Body Styles
PX0410 = Flex body

PX0411 = Flex in-line body

PX0412 = Front panel mounting body

PX0413 = Rear panel/PCB mounting body

Number Contacts
02 = 2 pole, **03** = 3 pole, **04** = 4 pole, **06** = 6 pole

08 = 8 pole, **10** = 10 pole, **12** = 12 pole

(PX0413: 4, 6, 8, 10 & 12 pole only)

Contact Type
P = Pin, **S** = Socket

For PX0410 and PX0411 cable connectors - Cable Entry Size:
3035 = 3.0 - 3.5mm (Light Grey) **5055** = 5.0 - 5.5mm (Yellow)

3540 = 3.5 - 4.0mm (Grey) **5560** = 5.5 - 6.0mm (Blue)

4045 = 4.0 - 4.5mm (Green) **6065** = 6.0 - 6.5mm (White)

4550 = 4.5 - 5.0mm (Red) **6570** = 6.5 - 7.0mm (Black)

Cable gland and collet supplied in colour coded pairs.

For PX0413 PCB/Rear Panel Mount:
PC = Pre-loaded PC pins

Blank = no pins supplied

For PX0412 Front Panel Mount:

Suffix not required - leave blank

Examples:

PX0410/10S/4045 = Flex cable connector, 10 socket contacts with gland and collet for cables between 4.0 and 4.5mm diameter (supplied less contacts).

PX0412/08P = Front panel mounting connector, 8 pin contacts (supplied less contacts).

PX0413/06P = Rear panel mounting connector, for 6 pin contacts (supplied less contacts).

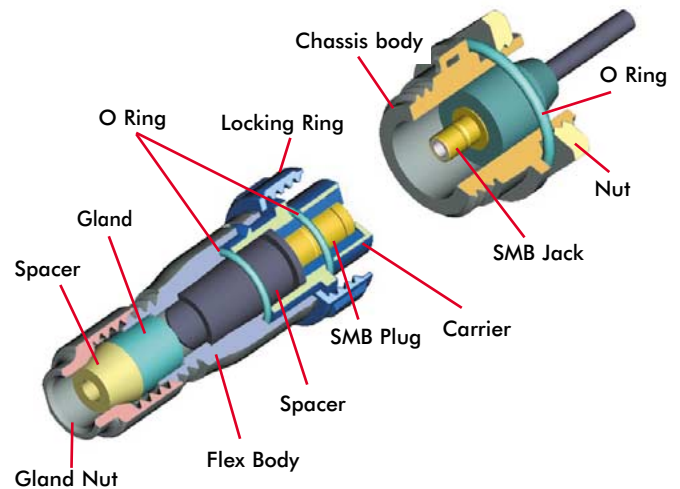
PX0413/04P/PC = Rear panel/PCB connector, 4 pin contacts, PCB mounting (supplied with contacts loaded).

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BUCCANEER



IP68

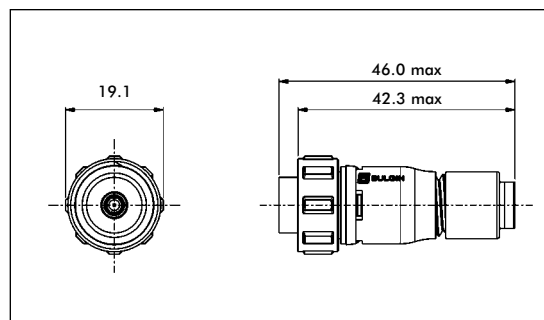


- Sealed to IP68 when mated
- 50Ω Impedance SMB connector
- Frequency range 0-4GHz
- Contact resistance
 - centre - 6mΩ max.
 - outer - 2.5mΩ max.
- Gold plated contacts
- Diameter over coupling ring 19mm
- Body moulding, Nylon UL94-V0 rated
- Two versions of Flex Connector
 - re-wireable
 - pre-wired - lengths 1m, 3m & 5m
- Panel connector
 - pre-wired - lengths 0.5m, 1m & 1.5m
- Cable accommodation (flex re-wireable), RG-174
- Cable type (pre-wired connectors), RG-174

RE-WIREABLE FLEX CONNECTOR

PX0415/1

- Mates with Panel connector (PX0414)
- Re-wireable connector
- For RG-174 cable
- Supplied with SMB plug

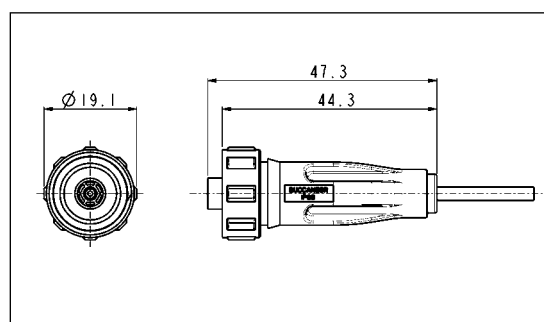


Part no.	Description
PX0415/1	Re-wireable connector with SMB Plug - for RG-174 cable

PRE-WIRED FLEX CONNECTOR

PX0416/xMxx

- Mates with Panel connector (PX0414)
- Pre-wired
- Overmoulded construction
- Supplied with SMB plug terminated with RG-174 cable
- 1m, 3m & 5m cable lengths

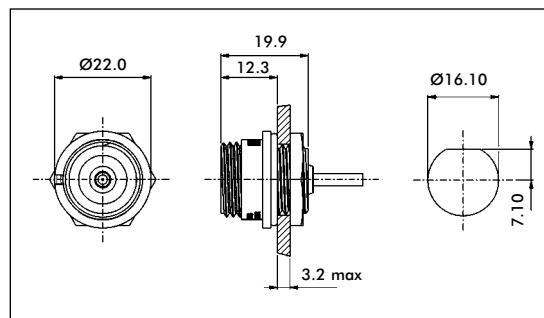


Part no.	Description
PX0416/1M00	Overmoulded connector with SMB plug - cable length 1m
PX0416/3M00	Overmoulded connector with SMB plug - cable length 3m
PX0416/5M00	Overmoulded connector with SMB plug - cable length 5m

PANEL MOUNTING CONNECTOR

PX0414/xMxx

- Mates with Flex connectors (PX0415, PX0416)
- Single hole fixing
- Supplied with SMB jack terminated with RG-174 cable



Part no.	Description
PX0414/0M50	Panel connector with SMB jack - cable length 0.5m
PX0414/1M00	Panel connector with SMB jack - cable length 1m
PX0414/1M50	Panel connector with SMB jack - cable length 1.5m

SEALING CAPS AND ACCESSORIES

PX0480 PX0481 PX0485

Part no.	Description
PX0480	Sealing cap for PX0414 chassis connector
PX0481	Sealing cap for PX0415 re-wireable flex connectors
PX0485	Sealing cap for PX0416 overmoulded flex connector
14319	Hand crimp tool for SMB

SMB Buccaneer®

SPECIFICATION

Electrical:

Impedance:	50Ω
Frequency Range:	0-4GHz
Contact Resistance:	
Centre:	6mΩ (max.)
Outer:	2.5mΩ (max.)
Insulator Resistance:	1000MΩ (max.)

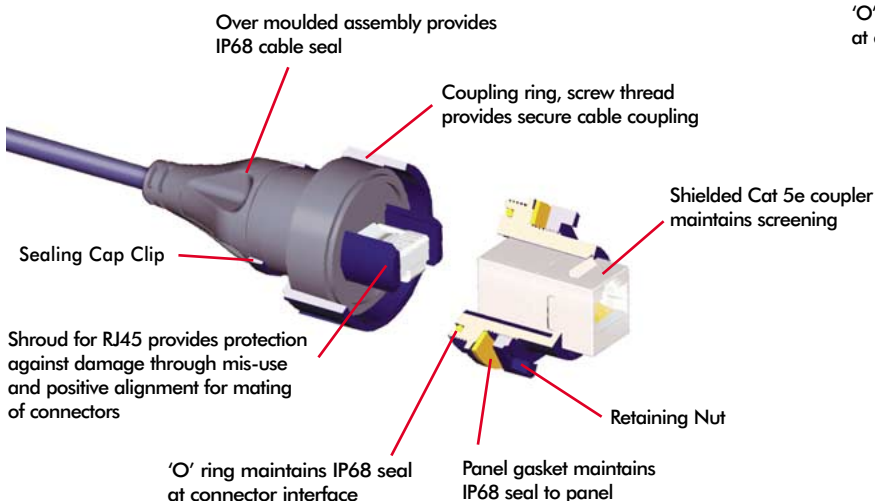
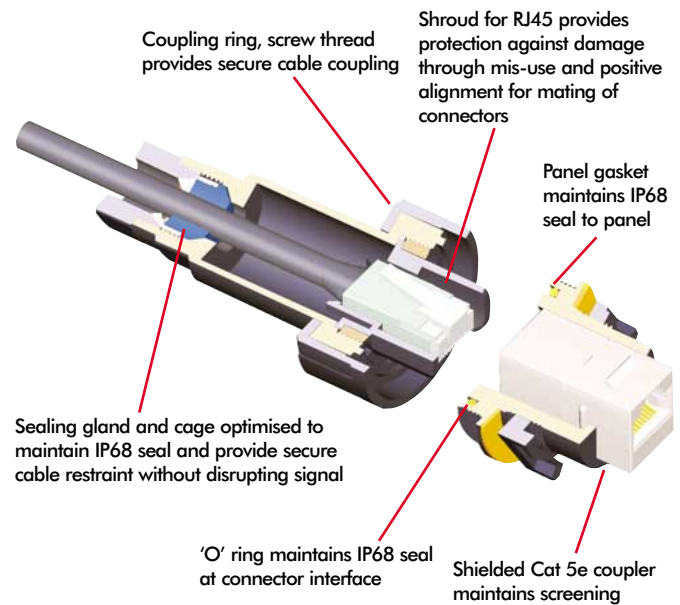
Mechanical:

Sealing:	IP68, EN 60529
Cable Acceptance:	RG-174
Insertion/Withdrawal Force:	
Insertion Force:	36N
Withdrawal Force:	36N
Cable Retention Force:	18N
Mating Cycles:	500
Operating Temperature:	-20°C to +80°C

Material:

PX0415/1 and PX0414	
Body Mouldings:	Polyamide
Flammability Rating:	UL94V-0
UV Resistance:	To EN 50021:1999
PX0416	
Body Mouldings:	PVC
Flammability Rating:	UL94V-0
O Rings:	Nitrile
Panel Sealing O Ring:	Nitrile
SMB Connector	
Body:	Brass to QQ-B-626, Gold Plated
Centre Contact:	
Plug:	Brass to QQ-B-626, Gold Plated
Jack:	Beryllium Copper to QQ-B-530, Gold Plated
Insulator:	Teflon
Crimp Ferrules:	Annealed Copper
RoHS	Compliant

Ethernet Buccaneer®



- IP68 rated
- Cat 5e compliant
- PE or PUR jacket on cable
- Shielded system
- Cat 5e shielded coupler
- Shroud on RJ45
- Screw coupling
- Rewireable flex connector
- PCB mounted panel connector
- IDC termination panel connector
- Earth lead version of panel adaptor
- ▶ Dust and waterproof sealing when mated
- ▶ Data rate up to 100MHz
- ▶ Good chemical and water resistance
- ▶ High noise immunity and EMI protection
- ▶ Maintains shielding
- ▶ Protection from abuse and mis-mating
- ▶ Secure, proven locking system
- ▶ Ability to 'field' terminate
- ▶ Direct PCB mount panel connector
- ▶ Simple termination
- ▶ Continuous screening of panel mount connector

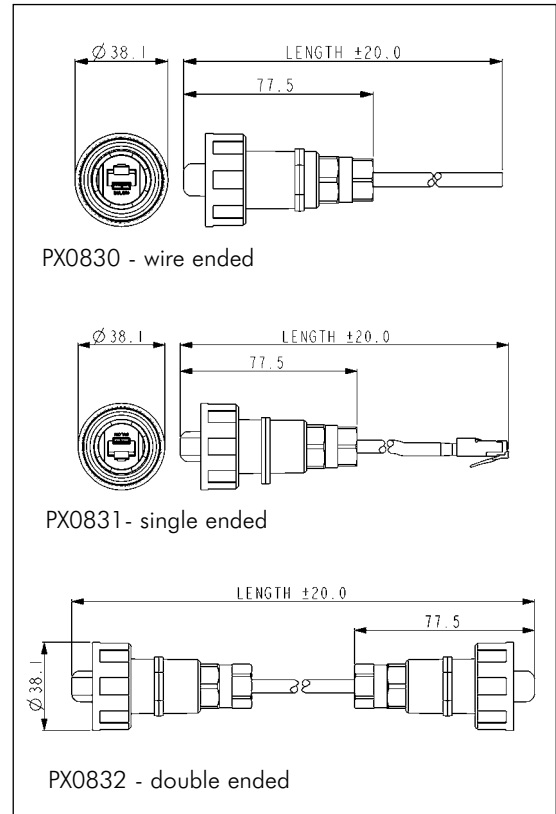
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PATCH CORD FLEX CONNECTOR - PE JACKET CABLE



- Mates with panel mounting connector (PX0833)
- Patchcords with IP68 connector
- Supplied with shielded RJ45 plug
- Single or double end terminated
- Standard lengths: 2m, 3m & 5m
- S-FTP cable construction
- PE jacket cable
- Wiring configuration to 568-B
- Exceeds EIA/TIA Cat 5e

Part no.	Type	Length	Description
PX0830/2M00	Wire end	2m	IP68 RJ Buccaneer to bare end
PX0830/3M00	Wire end	3m	IP68 RJ Buccaneer to bare end
PX0830/5M00	Wire end	5m	IP68 RJ Buccaneer to bare end
PX0831/2M00	Single ended	2m	IP68 RJ Buccaneer to Shielded RJ45
PX0831/3M00	Single ended	3m	IP68 RJ Buccaneer to Shielded RJ45
PX0831/5M00	Single ended	5m	IP68 RJ Buccaneer to Shielded RJ45
PX0832/2M00	Double ended	2m	IP68 RJ Buccaneer to IP68 RJ Buccaneer
PX0832/3M00	Double ended	3m	IP68 RJ Buccaneer to IP68 RJ Buccaneer
PX0832/5M00	Double ended	5m	IP68 RJ Buccaneer to IP68 RJ Buccaneer

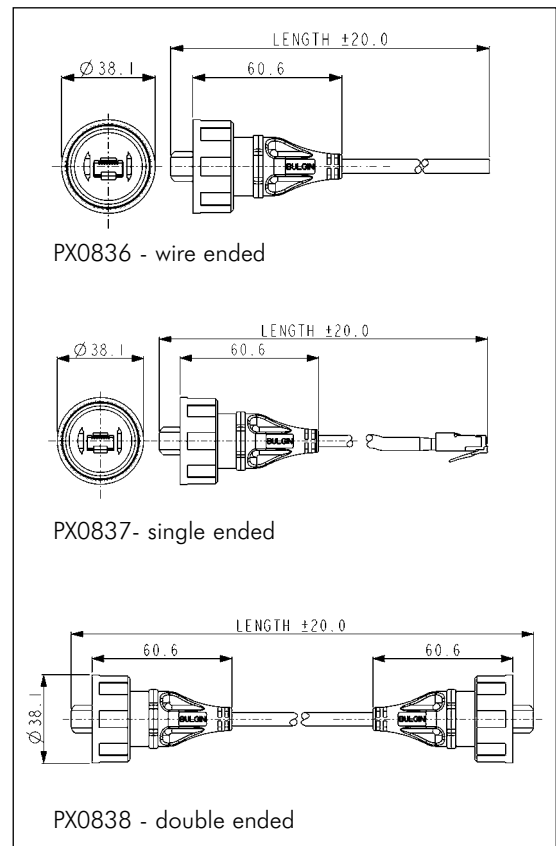


PATCH CORD FLEX CONNECTOR - PUR JACKET CABLE



- Mates with panel mounting connector (PX0833)
- Patchcords with IP68 connector
- Supplied with shielded RJ45 plug
- Single or double end terminated
- Standard lengths: 2m, 3m & 5m
- S-FTP cable construction
- PUR jacket cable
- Wiring configuration to 568-B
- Exceeds EIA/TIA Cat 5e

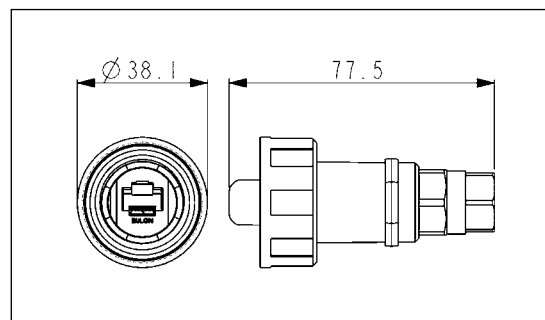
Part no.	Type	Length	Description
PX0836/2M00	Wire end	2m	IP68 RJ Buccaneer to bare end
PX0836/3M00	Wire end	3m	IP68 RJ Buccaneer to bare end
PX0836/5M00	Wire end	5m	IP68 RJ Buccaneer to bare end
PX0837/2M00	Single ended	2m	IP68 RJ Buccaneer to Shielded RJ45
PX0837/3M00	Single ended	3m	IP68 RJ Buccaneer to Shielded RJ45
PX0837/5M00	Single ended	5m	IP68 RJ Buccaneer to Shielded RJ45
PX0838/2M00	Double ended	2m	IP68 RJ Buccaneer to IP68 RJ Buccaneer
PX0838/3M00	Double ended	3m	IP68 RJ Buccaneer to IP68 RJ Buccaneer
PX0838/5M00	Double ended	5m	IP68 RJ Buccaneer to IP68 RJ Buccaneer



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RE-WIREABLE FLEX CONNECTOR

PX0834

- Mates with panel mounting connector (PX0833)
- Supplied with shielded RJ45 plug
- Two versions:
for PE and PUR jacket cable (Cat 5e)
for other cable sizes from 3.5 to 8mm dia.

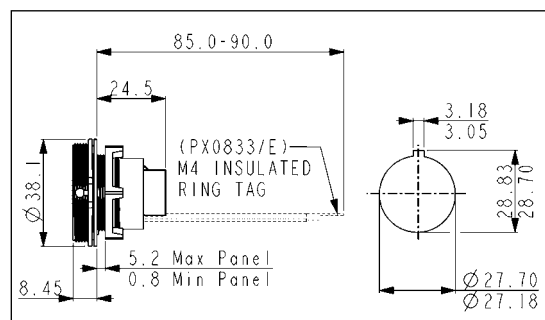


Part no.	Description
PX0834/A PX0834/B	Cable glands optimised for PE and PUR jacket cable to maintain Cat 5e performance Suitable for use with cables from 3.5 to 8mm diameter

PANEL MOUNTING CONNECTOR

PX0833

- Cat 5e shielded coupler
- Mates with PX0830, PX0836 and PX0834 flex connectors
- Standard patchcord can be plugged into rear
- Version with earth wire available
- Single hole fixing
- Complete with panel sealing gasket

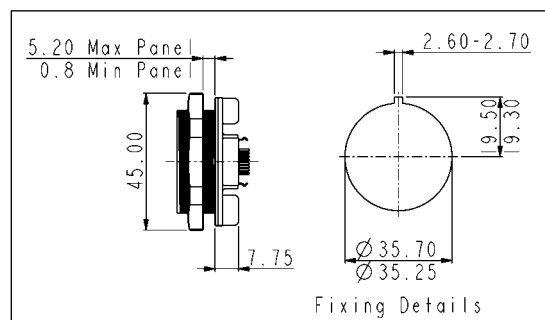


Part no.	Description	Fixing
PX0833 PX0833/E	Cat 5e coupler Cat 5e coupler + earth wire	Front panel mounted Front panel mounted

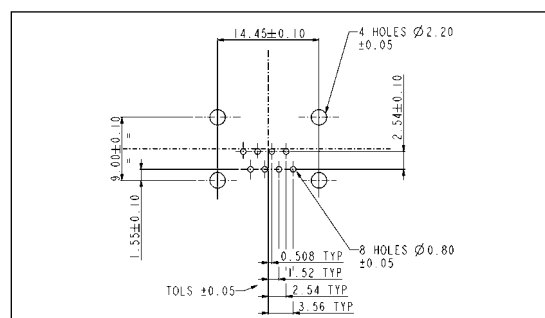
PCB MOUNTING CONNECTOR

PX0839/PC

- Cat 5e shielded RJ45 interface
- Rear of panel mounted
- Mates with PX0830, PX0836 and PX0834 flex connectors
- For direct mounting to PCB
- Complete with panel sealing gasket



Part no.	Description	Fixing
PX0839/PC	Cat 5e coupler	Rear panel mounted

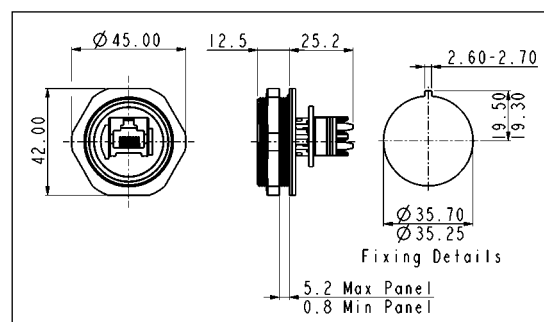


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PANEL MOUNTING CONNECTOR



- Cat 5e shielded RJ45 interface
- Rear of panel mounted
- Mates with PX0830, PX0836 and PX0834 flex connectors
- IDC blocks for discreet termination
- Complete with panel sealing gasket

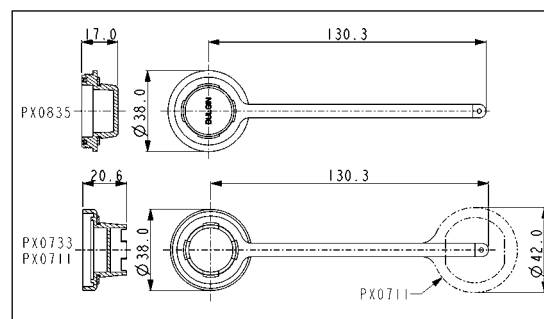


Part no.	Description	Fixing
PX0839/IDC	Cat 5e coupler	Rear panel mounted

ACCESSORIES



- Sealing caps to maintain IP68 rating when connectors are not in use
- Replacement shielded RJ45s
- Hand crimp tool for shielded RJ45
- Patch cord cable available in 50m reels

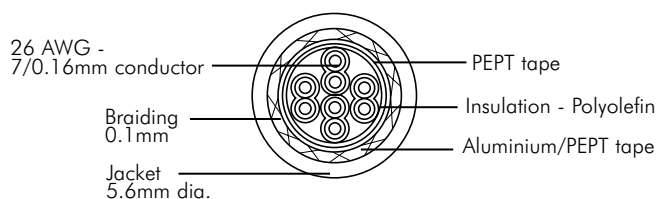
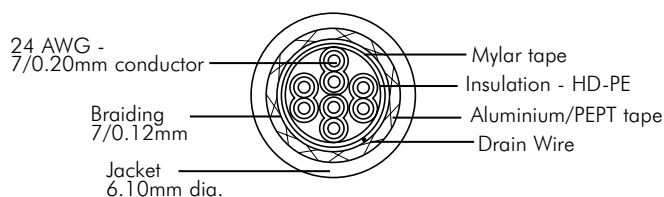


Part no.	Description
PX0835	Sealing Cap for flex connectors (PX0830-832, PX0834, PX0836-838)
PX0733	Sealing Cap for panel mounting connector (PX0833)
PX0711	Sealing Cap for rear panel mounting connector (PX0839)
14151	Hand crimp tooling + die set
14152	PE Jacket Cable - 50m reel
14199	PUR Jacket Cable - 50m reel
14150	Replacement shielded RJ45

SPECIFICATION
Stranded S-FTP Patch cord cable - PE and PUR Jacket

A choice of two cables with internal construction exceeding Cat 5e performance levels. The Polyethylene (PE) jacket is designed to cope with the rigours that applications in external environments demand. The outer sheath provides good levels of resistance to water, oils and chemicals, will not crack with prolonged exposure to water or UV, and provides good abrasion resistance. The Polyurethane (PUR) jacket has excellent abrasion, chemical and ozone resistance, low smoke, low halogen flame retardant construction suitable for internal and external industrial environments.

Construction	Polyethylene (PE) Jacket	Polyurethane (PUR) Jacket
Conductors	26AWG (7/0.16mm) bare copper	24AWG (7/0.2mm) bare copper
Insulation	Polyolefin (0.94mm nominal)	HD-PE
Pair	2 of the above cores twisted	2 of the above cores twisted
Core	4 of the above cores	4 of the above cores
Tape	1 lap PEPT tape	1 lap mylar tape
Screen	1 layer PEPT and aluminium tape. 0.1mm tinned copper braid	1 layer mylar and aluminium tape, tape, 0.12mm tinned copper braid
Sheath	PE Jacket Black	PUR Jacket Black
Op Temperature	-25°C to +60°C	-25°C to +85°C
Min. bend radius	8 x o/d (installation)	10 x o/d (installation)
Min. bend radius	4 x o/d (installed)	6 x o/d (installed)
Diameter	5.6mm nominal	6.1mm nominal
Electrical @ 20°C		
Characteristic Impedance	100Ω ±15Ω @ 100MHz	100Ω ±15Ω @ 100MHz
Capacitance	1600pF/km	330pF/km
Conductor Loop resistance	29Ω/100m maximum	29Ω/100m maximum
Skew	40 nsec/100m @ 100MHz	45 nsec/100m @ 100MHz
TIA/EIA Rating	Cat 5e	Cat 5e

Cable constructions

Polyethylene (PE) Jacket

Polyurethane (PUR) Jacket
Re-wireable and Panel mounted connectors

Mechanical	
Sealing	IP68, EN60529
Materials	
Connector Body	Polyester
Flammability rating	UL94V-0
'O' rings	Silicon
Panel Gasket	Silicon
Operating Temperature	-20°C to +70°C
RoHS	Compliant

RJ45 Plug

Materials	
Moulding	Polycarbonate
Flammability	UL94V-0
Contact material	Phosphor Bronze
Contact plating	50 micron gold
Operating Temperature	-40°C to +70°C
Mating cycles	1,000 cycles
RoHS	Compliant

Electrical

No. Conductors	8
Current rating	1.5A
Voltage rating	30V ac, 42V dc
Contact resistance	10mΩ max.
Performance	Cat 5e

RJ45 Coupler

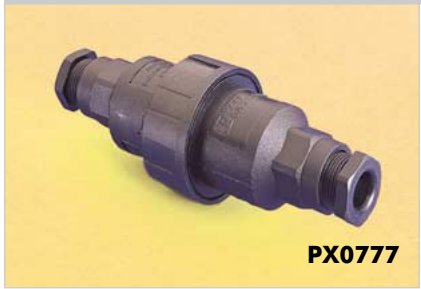
Materials	
Coupler Shell	Copper Alloy
Coupler Plating	Nickel
Moulding	ABS
Flammability	UL94V-0
Contact material	Phosphor Bronze
Contact plating	50 micron gold
Operating Temperature	-40°C to +70°C
Mating cycles	1,000 cycles
RoHS	Compliant

Electrical

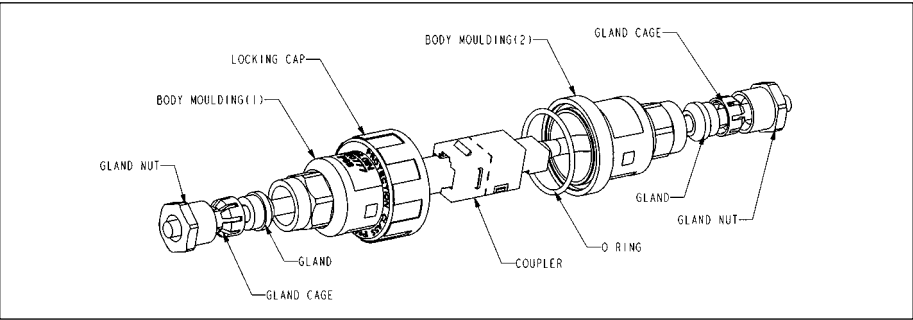
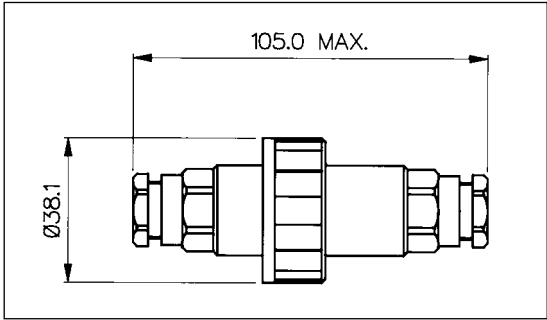
No. Conductors	8
Current rating	1.5A
Voltage rating	30V ac, 42V dc
Contact resistance	10mΩ max.
Performance	Cat 5e

Ethernet Buccaneer®

CABLE JOINER

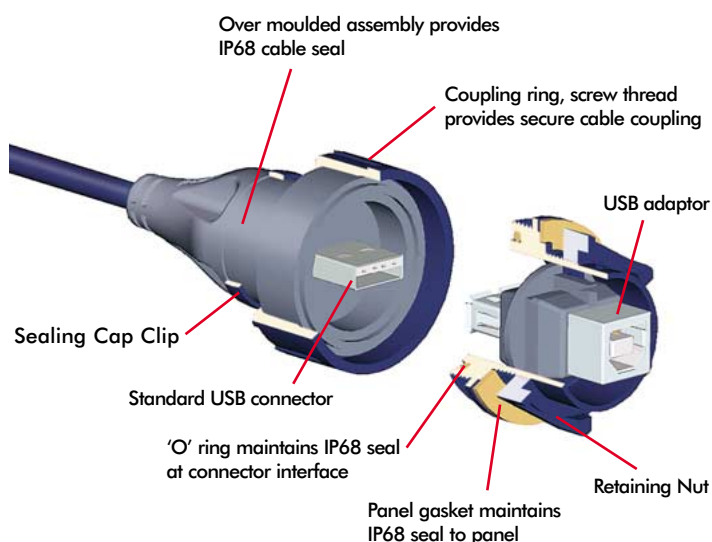


- IP68 Rating
- For Sealed In-Line RJ45 Connections
- Supplied Complete with Coupler
- Shielded (STP) & Unshielded (UTP) versions
- Cat5e Shielded Coupler also available
- Cable Range 3.5 - 8mm (with glands supplied)



Specification	PX0777/UTP	PX0777/STP	PX0777/CAT5ESTP
Rating:	1.5A, 30V a.c., 42V d.c.	1.5A, 30V a.c., 42V d.c.	1.5A, 30V a.c., 42V d.c.
No. of Conductors:	8	8	8
Coupler Type:	Unshielded	Shielded	Shielded CAT5e performance
Cable Range:	3.5 - 8mm (with glands supplied)	3.5 - 8mm (with glands supplied)	3.5 - 8mm (with glands supplied)
Material:	Glass Filled Polyamide UL94V-0	Glass Filled Polyamide UL94V0	Glass Filled Polyamide UL94V-0
Sealing:	IP68 to BSEN 60529 : 1977	IP68 to BSEN 60529 : 1977	IP68 to BSEN 60529 : 1977
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Colour:	Black	Black	Black
RoHS	Compliant	Compliant	Compliant

USB Buccaneer®

IP68


BUCCANEER

- IP68 rated
- USB version 2.0 performance
- Plug and play capability
- Visual mating indication
- Shielded system
- Single and double ended cables
- Screw coupling
- PCB versions
- ▶ Dust and waterproof sealing when mated
- ▶ Low and high speed bus connection, 1.5Mbps to 480Mbps
- ▶ Hot pluggable, standard 4 pole interface
- ▶ Alignment indicator reduces risk of damage during mating
- ▶ High noise immunity and EMI protection
- ▶ Suitable for PC and peripheral configuration
- ▶ Secure, proven locking system
- ▶ Direct mounting or via adaptor leads

USB Buccaneer®

SEALED USB CABLES - SINGLE ENDED



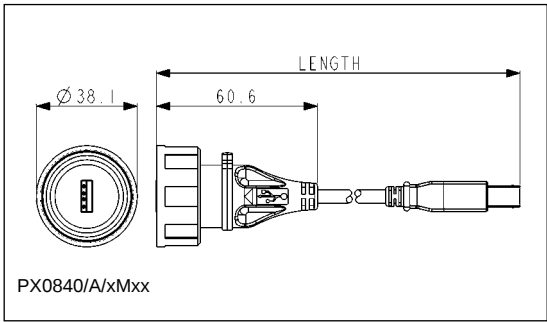
PX0840/A



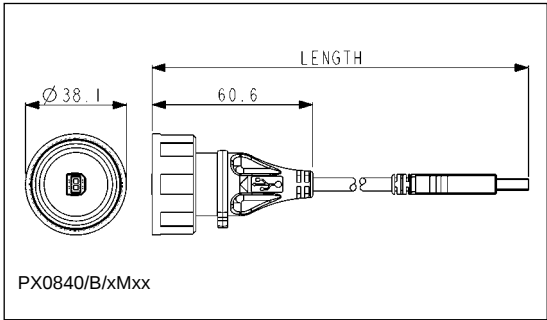
PX0840/B

Single ended sealed cable assembly

- IP68 'A' type USB connector to standard 'B' type USB connector, mates with all panel mount connectors
- IP68 'B' type USB connector to standard 'A' type USB connector, mates with all panel mount connectors
- Available in 2m, 3m and 5m



PX0840/A/xMxx



PX0840/B/xMxx

Part No.	Length	Description
PX0840/A/2M00	2m	IP68 A type USB to standard B type USB
PX0840/A/3M00	3m	IP68 A type USB to standard B type USB
PX0840/A/5M00	5m	IP68 A type USB to standard B type USB
PX0840/B/2M00	2m	IP68 B type USB to standard A type USB
PX0840/B/3M00	3m	IP68 B type USB to standard A type USB
PX0840/B/5M00	5m	IP68 B type USB to standard A type USB

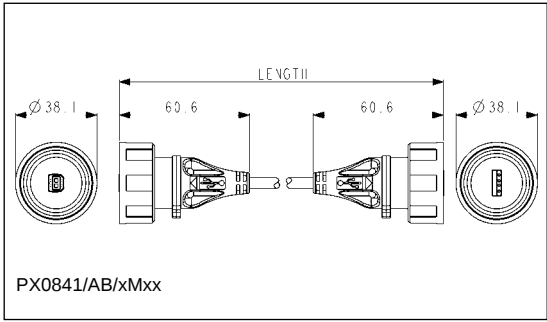
SEALED USB CABLES - DOUBLE ENDED



PX0841/AB

Double ended sealed cable assembly

- IP68 'A' type USB connector to IP68 'B' type USB connector
- Mates with all panel mount connectors
- Available in 2m, 3m and 5m lengths

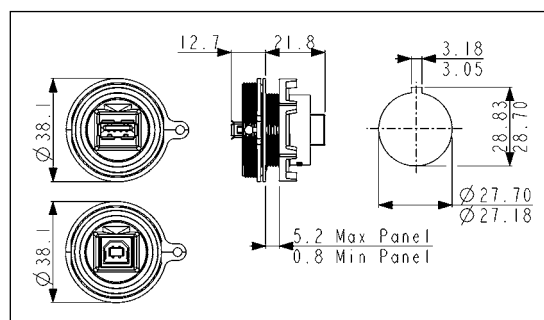


PX0841/AB/xMxx

Part No.	Length	Description
PX0841/AB/2M00	2m	IP68 A type USB to IP68 B type USB
PX0841/AB/3M00	3m	IP68 A type USB to IP68 B type USB
PX0841/AB/5M00	5m	IP68 A type USB to IP68 B type USB

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FRONT PANEL MOUNTING CONNECTOR

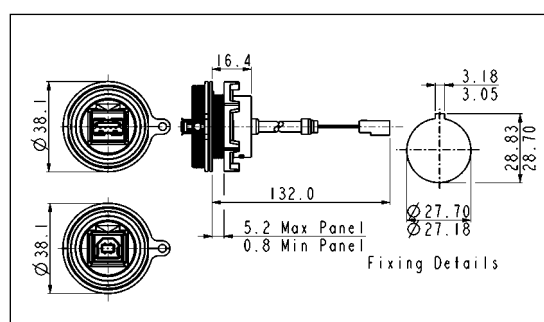

- PX0842/A - USB 'A' type IP68 connector
- PX0842/B - USB 'B' type IP68 connector
- Opposite connector to rear of panel
- Mates with PX0840 and PX0841 cable connectors



Part No.	Description
PX0842/A	IP68 A type USB, front panel mounted. Sealed A type at front of panel, standard B type at rear.
PX0842/B	IP68 B type USB, front panel mounted. Sealed B type at front of panel, standard A type at rear.

FRONT PANEL MOUNTING CONNECTOR

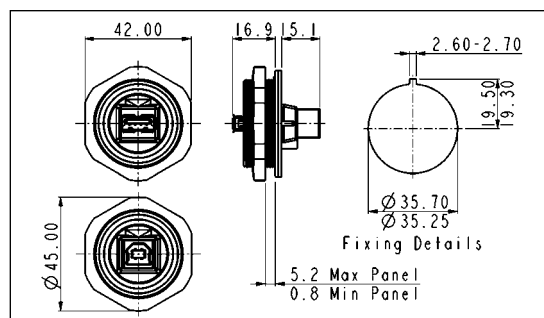

- PX0843/A - USB 'A' type IP68 connector
- PX0843/B - USB 'B' type IP68 connector
- Led with 5 way crimp connector
- Mates with PX0840 and PX0841



Part No.	Description
PX0843/A	IP68 A type USB, front panel mounted. Sealed A type at front of panel, 5 way crimp connector at rear.
PX0843/B	IP68 B type USB, front panel mounted. Sealed B type at front of panel, 5 way crimp connector at rear.

REAR PANEL MOUNTING CONNECTOR


- PX0848/A - USB 'A' type IP68 connector
- PX0848/B - USB 'B' type IP68 connector
- Opposite connector to rear of panel
- Mates with PX0840 and PX0841



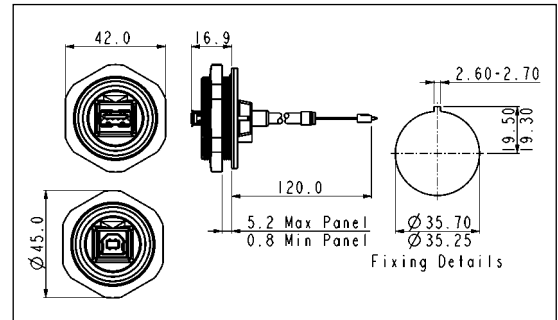
Part No.	Description
PX0848/A	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, standard B type at rear.
PX0848/B	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, standard A type at rear.

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REAR PANEL MOUNTING CONNECTOR



- PX0849/A - USB 'A' type IP68 connector
- PX0849/B - USB 'B' type IP68 connector
- Lead with 5 way header
- Mates with PX0840 and PX0841 cable connectors

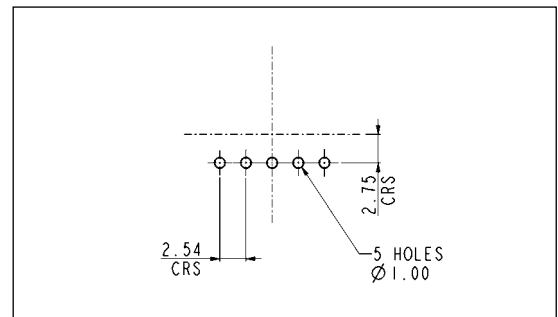
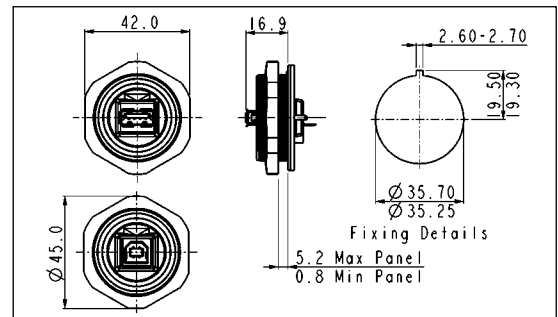


Part No.	Description
PX0849/A	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, 5 way header at rear.
PX0849/B	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, 5 way header at rear.

REAR PANEL MOUNTING CONNECTOR - PCB DIRECT MOUNT



- PX0845/A - USB 'A' type IP68 connector
- PX0845/B - USB 'B' type IP68 connector
- PCB contacts at rear
- Direct PCB mount
- Mates with PX0840 and PX0841 cable connectors

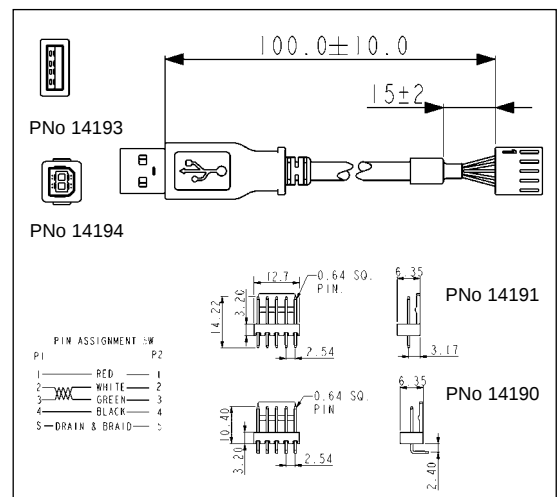


Part No.	Description
PX0845/A	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, direct mount PCB contacts at rear.
PX0845/B	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, direct mount PCB contacts at rear.

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

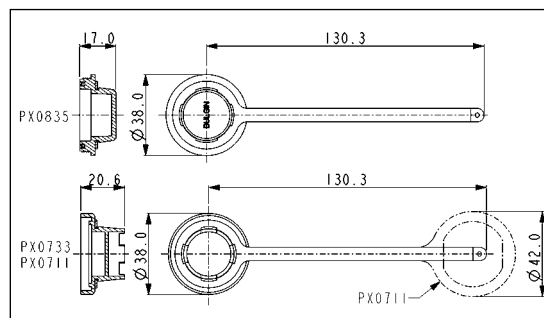


Part No.	Description
14193	USB 'A' type to 5 way crimp connector
14194	USB 'B' type to 5 way crimp connector
14191	5 way PCB header straight
14192	5 way PCB header right angle

ACCESSORIES



- Sealing caps to maintain IP68 rating when connectors are not in use
- PX0835 for cable connectors PX0840 and PX0841
- PX0733 for front panel mount connectors PX0842 and PX0843
- PX0711 for rear panel mount connectors PX0848, PX0849 and PX0845



Part No.	Description
PX0835	Sealing Cap for cable connectors (PX0840, PX0841)
PX0733	Sealing Cap for front panel mounting connector (PX0842, PX0843)
PX0711	Sealing Cap for rear panel mounting connector (PX0848, PX0849, PX0845)

SPECIFICATION

Cables & connectors

Electrical

No. of conductors	4
Current rating	1A
Voltage rating	30Vac (RMS)
Contact resistance	30mΩ max.
Performance	USB version 2.0

Materials - connectors

Shell material	Steel
Shell plating	Nickel
Insulation moulding	Nylon 6
Flammability	UL94V-0
Contact material	Copper Alloy
Contact plating	30 micro inch Gold
Over mould material	PVC (black)
Operating temperature	0°C to +70°C
Mating cycles	1,000
RoHS	Compliant

Materials - cable

Cable Jacket	PVC (black)
Screen	Tinned copper braid
Flammability	UL94V-0
RoHS	Compliant

Length:	Dia	Conductors Signal	Conductors Power
2m	4.8mm	2 x 28AWG	2 x 24AWG
3m	5.0mm	2 x 28AWG	2 x 22AWG
5m	5.2mm	2 x 25AWG	2 x 20AWG

PCB adaptor leads

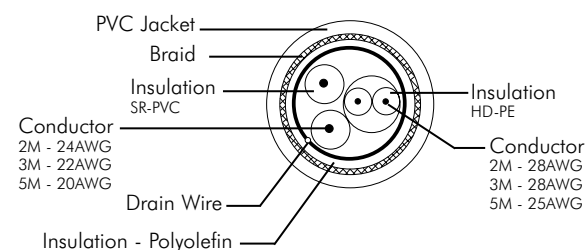
Electrical

No. of conductors	4
Current rating	1A
Voltage rating	30Vac (RMS)
Contact resistance	<10mΩ max.
PCB pitch	2.54mm

Materials

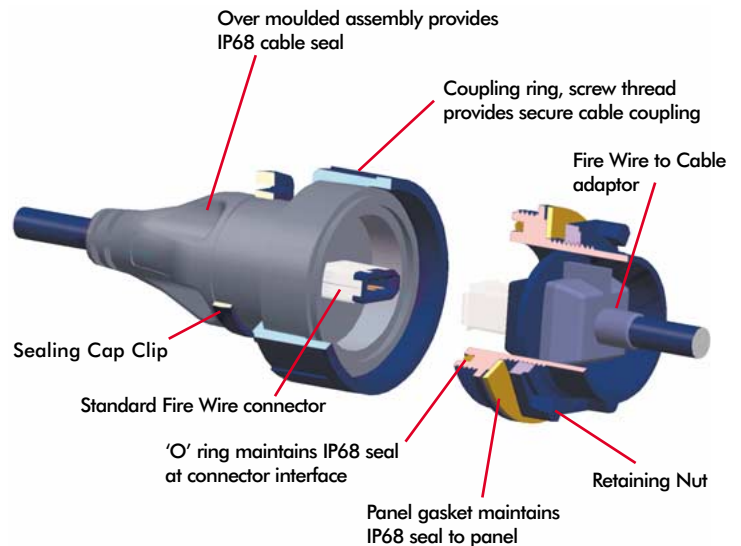
Moulding	Polycarbonate
Flammability	UL94V-0
Contact material	Copper Alloy
Contact plating	30 micro inch Gold
Wire insulation	PVC (black)
Flammability	UL94V-0
Conductors	4 x 28AWG
Operating temperature	0°C to +70°C
Mating cycles	1,000
RoHS	Compliant

Cable construction



FireWire Buccaneer®

IP68



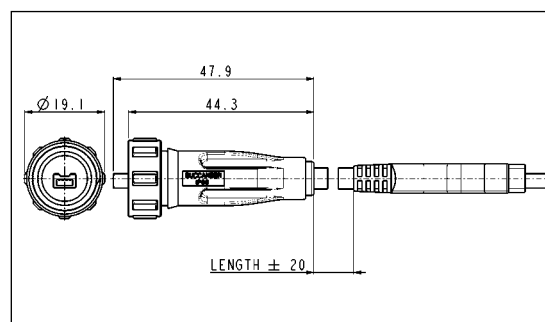
- IP68 rated
- IEEE1394a performance to 400Mbps
- 4 & 6 pole interfaces
- Shielded system
- Overmoulded cables
- Screw coupling
- Chassis Adaptor leads to PCB
- ▶ Dust and waterproof sealing when mated
- ▶ 'Real Time' performance
- ▶ Industry standard connection
- ▶ High noise immunity and EMI protection
- ▶ Secure tamperproof connection
- ▶ Secure, proven locking system
- ▶ For use on PCBs

Fire Wire Buccaneer®
SEALED FIRE WIRE CABLES - SINGLE ENDED

PX0417

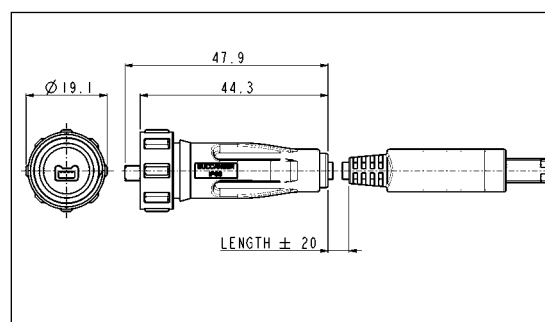
Single ended sealed cable assembly

- IP68 4 pole sealed connector to standard 4 pole FireWire
- Overmoulded construction
- Available in 2m and 4m lengths (other lengths and sealed double ended cables available on request)


PX0418

Single ended sealed cable assembly

- IP68 4 pole sealed connector to standard 6 pole FireWire
- Overmoulded construction
- Available in 2m and 4m lengths (other lengths and sealed double ended cables available on request)

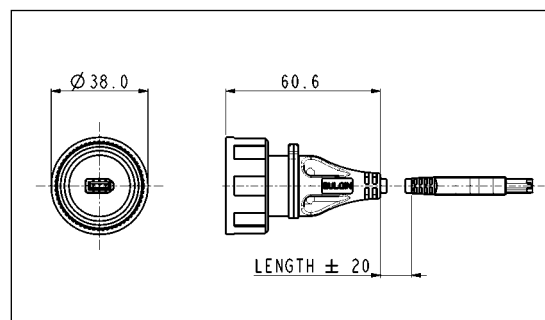


Part No.	Length	Description
PX0417/2M00	2m	IP68 4 pole to standard 4 pole FireWire
PX0417/4M00	4m	IP68 4 pole to standard 4 pole FireWire
PX0418/2M00	2m	IP68 4 pole to standard 6 pole FireWire
PX0418/4M00	4m	IP68 4 pole to standard 6 pole FireWire


PX0846

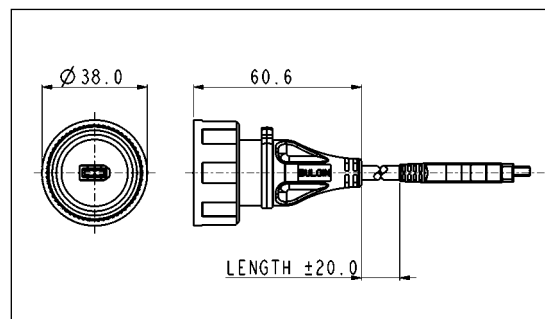
Single ended sealed cable assembly

- IP68 6 pole sealed connector to standard 6 pole FireWire
- Overmoulded construction
- Available in 2m and 4m lengths (other lengths and sealed double ended cables available on request)


PX0851

Single ended sealed cable assembly

- IP68 6 pole sealed connector to standard 4 pole FireWire
- Overmoulded construction
- Available in 2m and 4m lengths (other lengths and sealed double ended cables available on request)



Part No.	Length	Description
PX0846/2M00	2m	IP68 6 pole to standard 6 pole FireWire
PX0846/4M00	4m	IP68 6 pole to standard 6 pole FireWire
PX0851/2M00	2m	IP68 6 pole to standard 4 pole FireWire
PX0851/4M00	4m	IP68 6 pole to standard 4 pole FireWire

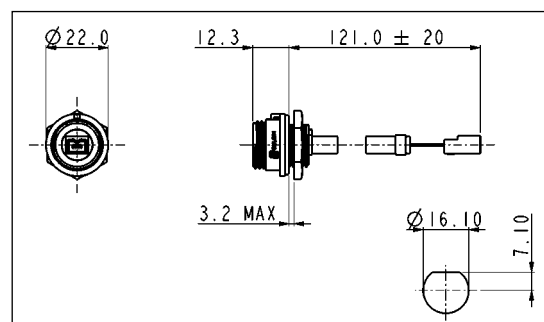
Fire Wire Buccaneer®

PANEL MOUNTING CONNECTOR



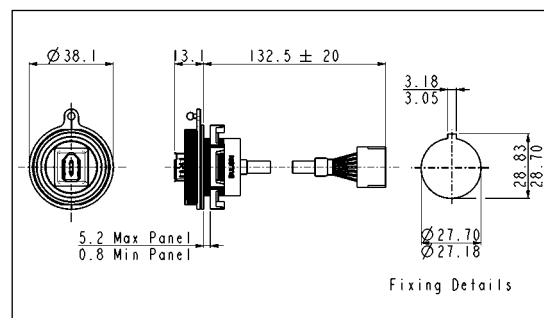
PX0419

- Front of panel mounted 4 pole IP68 FireWire
- Cable to rear with 5 way crimp for use with PCB header
- Mates with PX0417 & PX0418



PX0847

- Front of panel mounted 6 pole IP68 FireWire
- Cable to rear with 7 way crimp for use with PCB header
- Mates with PX0846 & PX0851



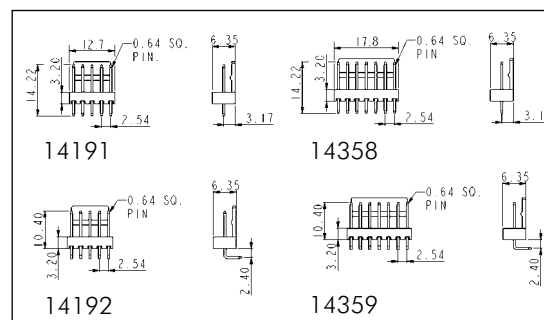
Part No.	Description
PX0419	IP68 4 pole, panel mounted, with 5 way crimp at rear
PX0847	IP68 6 pole, panel mounted, with 7 way crimp at rear

ACCESSORIES



PCB headers

- 2.54mm pitch, horizontal or vertical mounting
- 5 way headers for use with PX0419
- 7 way headers for use with PX0847



Sealing caps

- Sealing caps to maintain IP rating when connectors are not in use
- Chassis mounting & cable mounting versions

Part No.	Description
14191	5 way PCB header straight
14192	5 way PCB header right angle
14358	7 way PCB header straight
14359	7 way PCB header right angle
PX0485/BK	Sealing cap for 4 pole cable connectors (PX0417, PX0418)
PX0480/BK	Sealing cap for 4 pole chassis connector (PX0419)
PX0835	Sealing cap for 6 pole cable connectors (PX0846, PX0851)
PX0733	Sealing cap for 6 pole cable connector (PX0847)

SPECIFICATION
Electrical:

Poles:	4	6
Current Rating:	1A	1A
Voltage Rating:	30V a.c.	30V a.c.
Contact plating:	30 micro inch gold	30 micro inch gold
Connector body:	UL94V-0 rated	UL94V-0 rated
Operating Temperature Range:	0°C to +70°C	0°C to +70°C
Performance:	IEEE1394a	IEEE1394a

Materials - connectors:

Poles:	4	6
Connectors		
Shell material:	Steel	Steel
Shell plating:	Nickel	Nickel
Insulation moulding:	Glass filled PBT	Glass filled PBT
Flammability rating:	UL94V-0 rated	UL94V-0 rated
Contact material:	Copper alloy	Copper alloy
Contact plating:	30 micro inch gold	30 micro inch gold
Mating cycles:	1,000	1,000
Cable Connectors		
Overmould material:	PVC (black)	PVC (black)
Flammability rating:	UL94V-0 rated	UL94V-0 rated
Panel Connectors		
Body Mouldings:	Polyamide	Polyamide
Flammability rating:	UL94V-0 rated	UL94V-0 rated
UV Resistance	to EN50021:1999	to EN50021:1999
Operating temperature:	0°C to +70°C	0°C to +70°C
O Rings	Nitrile	Nitrile
RoHS	Compliant	Compliant

Materials - cables:

Poles:	4	6
Cable jacket:	PVC (black)	PVC (black)
Flammability rating:	UL94V-0 rated	UL94V-0 rated
RoHS	Compliant	Compliant

Product type	Length	Dia.	Conductor
4 pole chassis	100mm	5.0mm	30AWG
6 pole chassis	100mm	5.8mm	28AWG
4 pole flex	2m & 4m	5.5mm	28AWG
6 pole flex	2m & 4m	5.8mm	28AWG