B BULGIN

FireWire Buccaneer®

IP68

BUCCANEER

Over moulded assembly provides IP68 cable seal

Coupling ring, screw thread provides secure cable coupling

Fire Wire to Cable adaptor

Sealing Cap Clip

Standard Fire Wire connector

'O' ring maintains IP68 seal at connector interface

Retaining Nut

Panel gasket maintains IP68 seal to panel
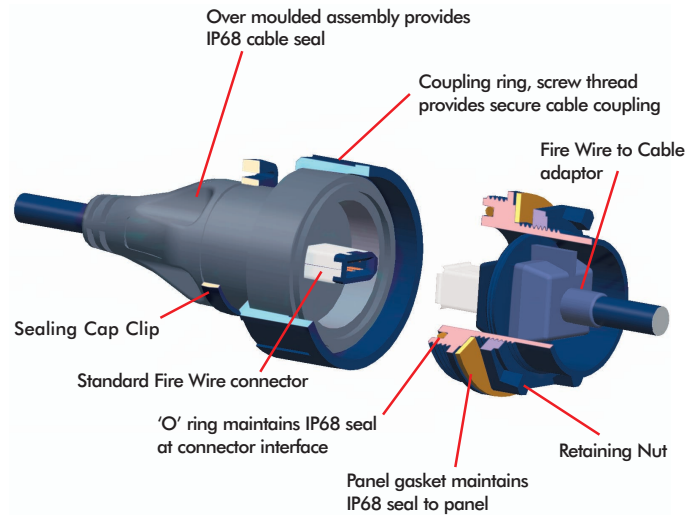
- IP68 rated
- IEEE1394a performance to 400Mbs
- 4 & 6 pole interfaces
- Shielded system
- Overmoulded cables
- Screw coupling
- Chassis Adaptor leads to PCB

▶ Dust and waterproof sealing when mated
▶ 'Real Time' performance
▶ Industry standard connection
▶ High noise immunity and EMI protection
▶ Secure tamperproof connection
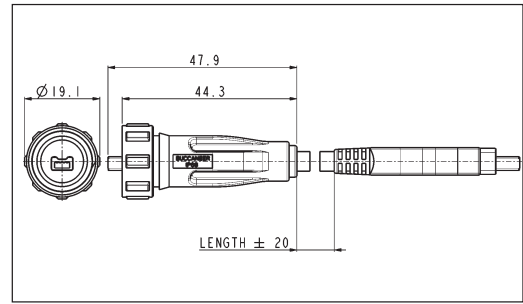▶ Secure, proven locking system
▶ For use on PCBs

SEALED FIRE WIRE CABLES - SINGLE ENDED

PX0417
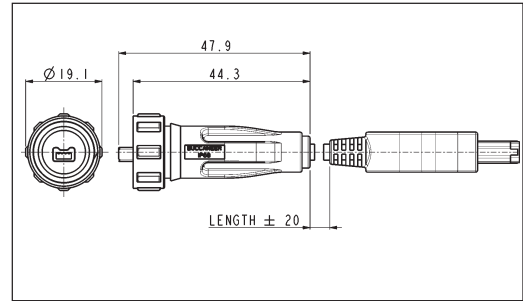
Single ended sealed cable assembly

- 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
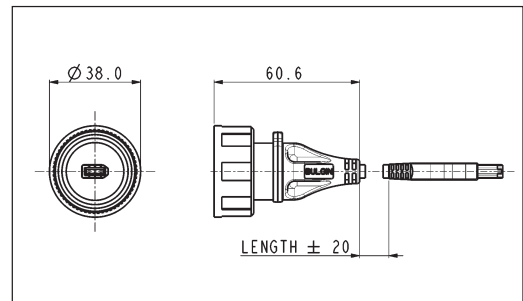- Available in 2m and 4m lengths (other lengths and sealed double ended cables available on request)

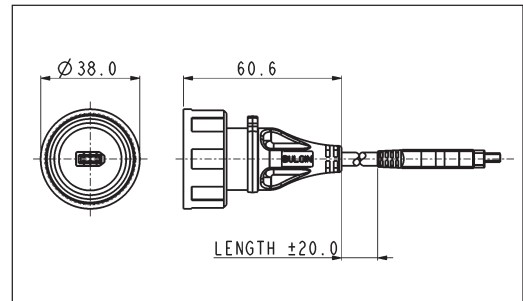**PX0851**

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)

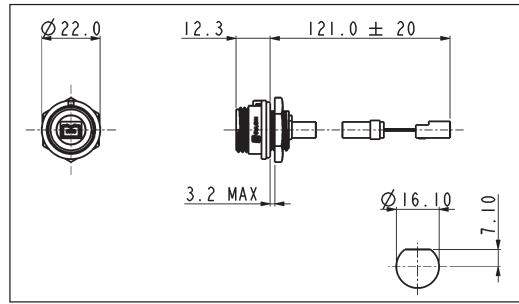| Part No.	Length	Description
PX0846/2M00	2m	IP68 6 pole to standard 6 pole FireWire
PX0846/4M00	4m	IP68 6 pole to standard 6 pole FireWire
PX0851/2M00	2m	IP68 6 pole to standard 4 pole FireWire
PX0851/4M00	4m	IP68 6 pole to standard 4 pole FireWire

BUCCANEER

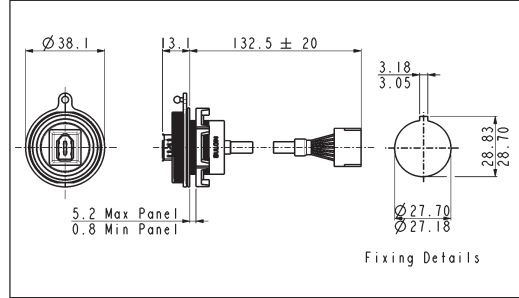**BBULGIN**

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
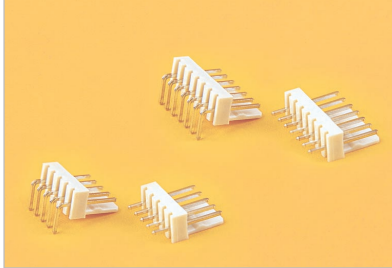- Mates with PX0417 & PX0418

Ø22.0   12.3   121.0 ± 20
3.2 MAX   Ø16.10   7.10

PX0847

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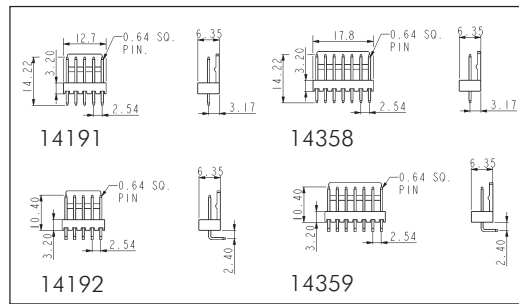- Cable to rear with 7 way crimp for use with PCB header
- Mates with PX0846 & PX0851

Ø38.1   13.1   132.5 ± 20   3.18 / 3.05
5.2 Max Panel / 0.8 Min Panel   Ø27.70 / Ø27.18   28.83 / 28.70

Fixing Details

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

12.7   0.64 SQ. PIN.   6.35
14.22   3.20   2.54   3.17
14191

17.8   0.64 SQ. PIN   6.35
14.22   3.20   2.54   3.17
14358

0.64 SQ. PIN   6.35
10.40   3.20   2.54   2.40
14192

0.64 SQ. PIN   6.35
10.40   3.20   2.54   2.40
14359

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

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