BUCCANEER FOR DATA
400 Series - Mini USB Buccaneer
IP68 Sealed

- IP68, Tested in accordance with EN60529:1992+A2:2013
- IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
- USB version 2.0 performance
- Plug and play capability
- Shielded system
- Overmoulded cables
- Screw coupling
- PCB versions
- Dust and waterproof to EN60529
- Data rates up to 480Mbps
- Hot pluggable, standard 4 Contacts interface
- High noise immunity
- Tamperproof construction
- Secure, proven locking system
- Direct mounting or via adaptor leads
- EN60068-2-52 Test Kσ Salt Mist (Cyclic) Marine Severity Level 1
Sealed Mini ‘B’ to Standard ‘A’
- IP68 Sealed Mini ‘B’ Plug to Standard ‘A’ Plug
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0443, PX0446, PX0447, PX0456, PX0457 & PX0458

Part No. PX0441/2M00 PX0441/3M00 PX0441/4M50 PX0442/2M00 PX0442/3M00 PX0442/4M50 PX0444/2M00 PX0444/3M00 PX0444/4M50
Length 2.0m 3.0m 4.5m 2.0m 3.0m 4.5m 2.0m 3.0m 4.5m
### Front Panel Mounting Connector

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0443</td>
<td>IP68 B type Mini USB, front panel mounted. 5 way crimp connector at rear.</td>
</tr>
<tr>
<td>PX0459</td>
<td>As PX0443 with exposed braid for use with PX0464 screening can</td>
</tr>
</tbody>
</table>

### Rear Panel Mounting Connector

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0446</td>
<td>IP68 B type Mini USB, rear panel mounted. 5 way header connector at rear.</td>
</tr>
<tr>
<td>PX0447</td>
<td>IP68 B type Mini USB, rear panel mounted. PCB terminals at rear.</td>
</tr>
</tbody>
</table>
Rear Panel Mounting Connector

- Mini ‘AB’ Type Receptacle
- Leaded with 6 way header
- Mates with PX0441, PX0442 & PX0444 type cables

PX0457

Rear Panel Mounting Connector

- Mini ‘AB’ Type Receptacle
- With Plugs for direct PCB mounting
- Mates with PX0441, PX0442 & PX0444 type cables

PX0458

Part no. | Description
--- | ---
PX0457 | IP68 AB type Mini USB, rear panel mounted. 6 way header connector at rear.
PX0458 | IP68 AB type Mini USB, rear panel mounted. PCB terminals at rear.

Screening Can

- Maintains cable screening directly to panel
- Shielding can clips around the panel fixing nut
- For use on PX0459

PX0464

Accessories

- Sealing caps to maintain IP rating when connectors are not in use
- PCB headers for use with PX0443 & PX0456

Part no. | Description
--- | ---
PX0485 | Sealing cap for use with PX0441, PX0442 & PX0444
PX0480 | Sealing cap for use with PX0443 & PX0456
PX0484 | Sealing cap for use with PX0446, PX0447, PX0457 & PX0458
14191 | 5 way straight header
14192 | 5 way right angle header
14563 | 6 way straight header
14564 | 6 way right angle header
Cables & connectors

**Mechanical**
Sealing
- IP68, EN60529:1992+A2:2013 (10m depth for 2 weeks)
- IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k

Operating temperature
- -35C to +70C

Salt Mist
- EN60068-2-52 Test Kb Salt Mist (Cyclic)
- Marine Severity Level 1

**Electrical**
No. of Contacts
- 4 and 5

Current rating
- 1A

Voltage rating
- 30V AC, 42V DC

Contact resistance
- 50m Ω max.

Performance
- USB version 2.0

**Materials - Overmoulded**
Overmould material
- PVC (black)

Flammability rating
- UL94V-0

**Materials - Re-wireable and Panel Connectors**
Shell material
- Steel

Shell plating
- Nickel

Contact material
- Copper Alloy

Contact plating
- 50 micro inch Gold

Connector body & locking ring
- Polyester

Panel connector
- Nylon 6

Flammability rating
- UL94V-0

‘O’ rings
- Nitrile

Mating cycles
- 5,000

RoHS
- Compliant

**Materials - cable**
Cable Jacket
- PVC (black)

Screen
- Tinned copper braid

Flammability
- UL94V-0

RoHS
- Compliant

<table>
<thead>
<tr>
<th>Length</th>
<th>Dia</th>
<th>Conductors</th>
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</tr>
</thead>
<tbody>
<tr>
<td>2m</td>
<td>4.8mm</td>
<td>2 x 28AWG</td>
<td>2 x 24AWG</td>
</tr>
<tr>
<td>3m</td>
<td>5.0mm</td>
<td>2 x 28AWG</td>
<td>2 x 22AWG</td>
</tr>
<tr>
<td>5m</td>
<td>5.2mm</td>
<td>2 x 25AWG</td>
<td>2 x 20AWG</td>
</tr>
</tbody>
</table>

**Cable construction - PX0441, PX0442, PX0444**

- PVC Jacket
- Braid
- Insulation SR-PVC
- Conductor 2m - 24AWG, 3m - 22AWG, 5m - 20AWG
- Drain Wire
- Insulation - Polyolefin