

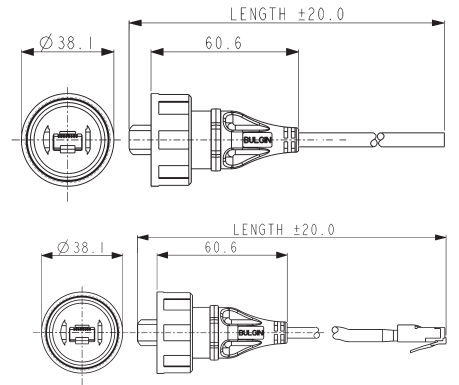
- ⊗ IP68 rated
- ⊗ IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
- ⊗ Cat 5e or Cat 6a compliant
- ⊗ PUR / PVC jacket on cable
- ⊗ Shielded system
- ⊗ Cat 5e or Cat 6a shielded coupler
- ⊗ Shroud on RJ45
- ⊗ Screw coupling
- ⊗ Rewireable flex connector
- ⊗ PCB mounted panel connector
- ⊗ IDC termination panel connector
- ⊗ Earth lead version of panel adaptor
- ⊗ EN60068-2-52 Test Kb Salt Mist (Cyclic)
Marine Severity Level 1
- ⊗ Dust and waterproof sealing when mated
- ⊗ Data rate up to 100MHz
- ⊗ Good chemical resistance, flame retardant
- ⊗ 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

Patch Cord Flex Connector - PUR Jacket

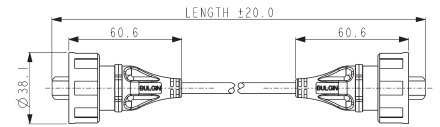


PX0836

- Mates with all panel mounting connectors
- Patchcords with IP68 connector
- Supplied with shielded RJ45 plug
- Single or double end terminated
- Standard lengths: 2m, 3m & 5m
- S-FTP cable construction
- PUR / PVC jacket cable
- Wiring configuration to 568-B



| Part no. | Type | Length | Description |
|-------------|--------------|--------|---|
| PX0836/2M00 | Wire end | 2m | Cat 5e IP68 RJ45 Buccaneer to bare end |
| PX0836/3M00 | Wire end | 3m | Cat 5e IP68 RJ45 Buccaneer to bare end |
| PX0836/5M00 | Wire end | 5m | Cat 5e IP68 RJ45 Buccaneer to bare end |
| PX0837/2M00 | Single ended | 2m | Cat 5e IP68 RJ45 Buccaneer to Shielded RJ45 |
| PX0837/3M00 | Single ended | 3m | Cat 5e IP68 RJ45 Buccaneer to Shielded RJ45 |
| PX0837/5M00 | Single ended | 5m | Cat 5e IP68 RJ45 Buccaneer to Shielded RJ45 |
| PX0838/2M00 | Double ended | 2m | Cat 5e IP68 RJ45 Buccaneer to IP68 RJ45 Buccaneer |
| PX0838/3M00 | Double ended | 3m | Cat 5e IP68 RJ45 Buccaneer to IP68 RJ45 Buccaneer |
| PX0838/5M00 | Double ended | 5m | Cat 5e IP68 RJ45 Buccaneer to IP68 RJ45 Buccaneer |
| PX0896/2M00 | Wire end | 2m | Cat 6a IP68 RJ45 Buccaneer to bare end |
| PX0896/3M00 | Wire end | 3m | Cat 6a IP68 RJ45 Buccaneer to bare end |
| PX0896/5M00 | Wire end | 5m | Cat 6a IP68 RJ45 Buccaneer to bare end |
| PX0897/2M00 | Single ended | 2m | Cat 6a IP68 RJ45 Buccaneer to Shielded RJ45 |
| PX0897/3M00 | Single ended | 3m | Cat 6a IP68 RJ45 Buccaneer to Shielded RJ45 |
| PX0897/5M00 | Single ended | 5m | Cat 6a IP68 RJ45 Buccaneer to Shielded RJ45 |
| PX0898/2M00 | Double ended | 2m | Cat 6a IP68 RJ45 Buccaneer to IP68 RJ45 Buccaneer |
| PX0898/3M00 | Double ended | 3m | Cat 6a IP68 RJ45 Buccaneer to IP68 RJ45 Buccaneer |
| PX0898/5M00 | Double ended | 5m | Cat 6a IP68 RJ45 Buccaneer to IP68 RJ45 Buccaneer |

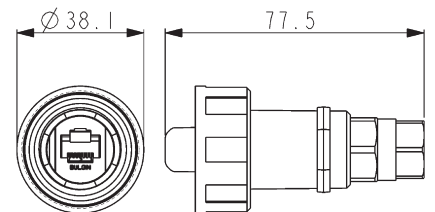


Re wireable Flex Connector



PX0834

- Mates with all panel mounting connectors
- Supplied with shielded RJ45 plug
- Two versions:
PUR / PVC jacket cable (Cat 5e / 6a)
for other cable sizes from
3.5 to 8mm dia.



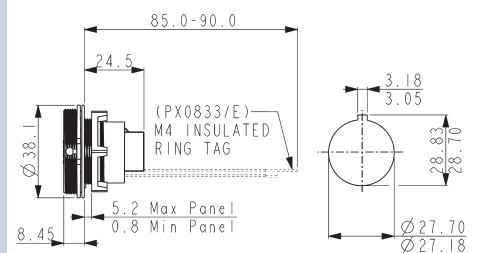
| Part no. | Description |
|----------|---|
| PX0834/A | Cat 5e Cable glands optimised for PUR jacket cable to maintain Cat 5e performance |
| PX0834/B | Cat 5e Suitable for use with cables from 3.5 to 8mm diameter |
| PX0894/A | Cat 6a Cable glands optimised for PVC jacket cable to maintain Cat 6a performance |
| PX0894/B | Cat 6a Suitable for use with cables from 3.5 to 8mm diameter |

Panel Mounting Connector



PX0833

- Cat 5e mates with PX0836, PX0837, PX0838 & PX0834 flex connectors
- Cat 6a mates with PX0896, PX0897, PX0898 & PX0894 flex connectors
- Standard RJ45 patchcord can be plugged into rear
- Version with earth wire available
- Single hole fixing
- Complete with panel sealing gasket



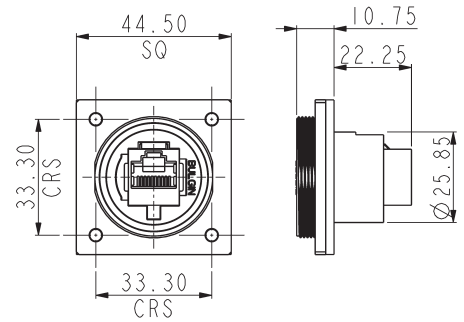
| Part no. | Description | Fixing |
|----------|-----------------------------|---------------------|
| PX0833 | Cat 5e coupler | Front panel mounted |
| PX0833/E | Cat 5e coupler + earth wire | Front panel mounted |
| PX0893 | Cat 6a coupler | Front panel mounted |
| PX0893/E | Cat 6a coupler + earth wire | Front panel mounted |

Flanged Mounting Connector



PX0870

- Cat 5e mates with PX0836, PX0837, PX0838 & PX0834 flex connectors
- Cat 6a mates with PX0896, PX0897, PX0898 & PX0894 flex connectors
- Standard RJ45 patchcord can be plugged into rear
- Version with earth wire available
- Flange fixing
- Complete with panel sealing gasket



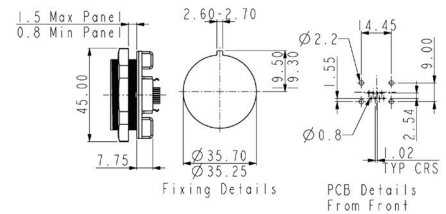
| Part no. | Description | Fixing |
|----------|-----------------------------|-----------------|
| PX0870 | Cat 5e coupler | Flange mounting |
| PX0870/E | Cat 5e coupler + earth wire | Flange mounting |
| PX0890 | Cat 6a coupler | Flange mounting |
| PX0890/E | Cat 6a coupler + earth wire | Flange mounting |

PCB Mounting Connector



PX0839/PC

- Cat 5e shielded RJ45 interface
- Rear of panel mounted
- Mates with PX0836, PX0837, PX0838 and PX0834 flex connectors
- For direct vertical mounting to PCB, straight pins
- Complete with panel sealing PX0839/PC gasket



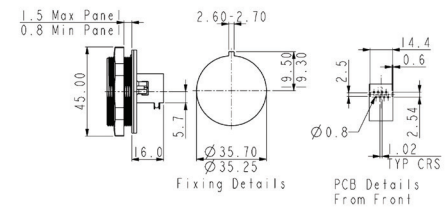
| Part no. | Description | Fixing |
|-----------|-----------------------|--------------------|
| PX0839/PC | Cat 5e connector - PC | Rear panel mounted |

PCB Mounting Connector

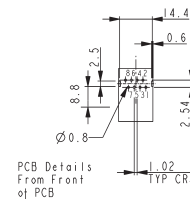


PX0839/90

- Cat 5e shielded RJ45 interface
- Rear of panel mounted
- Mates with PX0836, PX0837, PX0838 and PX0834 flex connectors
- For direct horizontal mounting to PCB, 90° pins
- Complete with panel sealing PX0839/90 gasket



| Part no. | Description | Fixing |
|-----------|-----------------------|--------------------|
| PX0839/90 | Cat 5e connector - PC | Rear panel mounted |

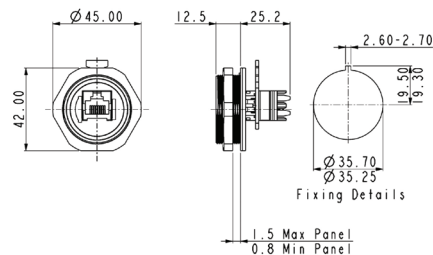


Panel Mounting Connector



PX0839/IDC

- Cat 5e shielded RJ45 interface
- Rear of panel mounted
- Mates with PX0836, PX0837, PX0838 and PX0834 flex connectors
- Two IDC blocks for discrete termination
- Complete with panel sealing



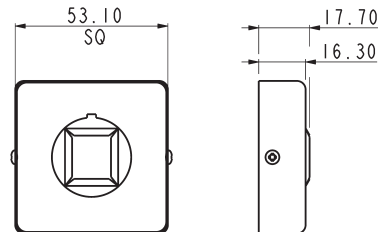
| Part no. | Description | Fixing |
|------------|----------------|--------------------|
| PX0839/IDC | Cat 5e coupler | Rear panel mounted |

Shield Back Shell Accessory



PX0888

- Maintains RJ45 coupler screening directly to panel
- Shielding can is fixed to rear of panel mount connector
- For use on PX0833



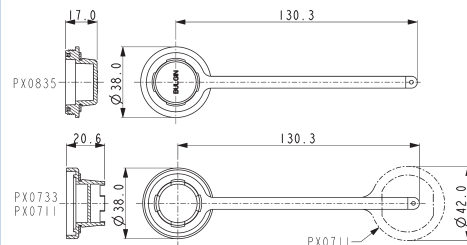
| Part no. | Description |
|----------|-------------------------------|
| PX0888 | Shielding backshell accessory |

Accessories



Sealing Caps

- 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 (PX0834, PX0836-838, PX0894, PX0896-898) |
| PX0733 | Sealing Cap for panel mounting connector (PX0833, PX0870, PX0893, PX0890) |
| PX0711 | Sealing Cap for rear panel mounting connector (PX0839) |
| 14151 | Cat 5e & Cat 6a Hand crimp tooling + die set |
| 14199 | Cat 5e PUR Jacket Cable - 50m reel |
| 14150 | Cat 5e Replacement shielded RJ45 |
| 15241 | Cat 6a PVC Jacket Cable - 50m reel |

Connectors

| | |
|-------------------------|---|
| Sealing | IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k |
| Operating Temperature | IP68, EN60529:1992+A2:2013 (10m depth for 2 weeks) -20°C to +70°C |
| Materials - Overmoulded | |
| Overmould material | PVC (black) |
| Flammability rating | UL94V-0 |
| Salt Mist | EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1 |

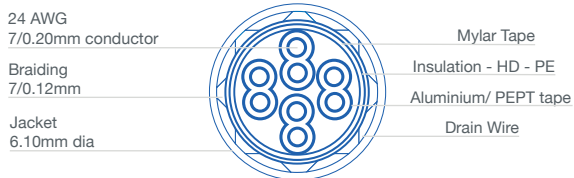
Materials - Re-wireable and Panel Connectors

| | |
|-------------------------------|-----------|
| Connector body & locking ring | Polyester |
| Panel connector | Nylon 6 |
| Flammability rating | UL94V-0 |
| 'O' rings | Silicone |
| Panel Gasket - round | Silicone |
| Panel Gasket - flange | Neoprene |
| RoHS | Compliant |

Cables

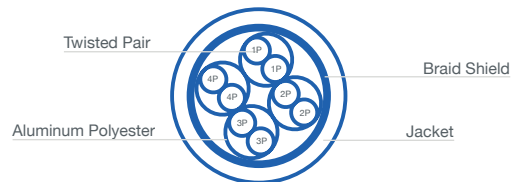
| | Cat 5e | Cat 6a |
|---|-----------------------------------|------------------------------|
| Conductors | 24AWG (7/0.2mm) bare copper | 26AWG (7/0.16mm) bare copper |
| Insulation | HD-PE | PE (Skin - Foam - Skin) |
| Pair | 2 of the above cores twisted | 2 of the above cores twisted |
| Core | 4 of the above cores | 4 of the above cores |
| Screen | 1 layer mylar and aluminium tape, | Aluminium & Polyester |
| Braid | 0.12mm tinned copper braid | Tinned Copper Braid |
| Sheath | PUR Jacket Black | PVC Jacket Black |
| Op Temperature | -25°C to +85°C | -25°C to +75°C |
| Diameter | 6.1mm nominal | 6.0 mm nominal |
| Flame Test | | FT4 |
| Electrical @ 20°C | | |
| Characteristic: | | |
| Impedance | 100 Ω ±15 Ω @ 100MHz | |
| Capacitance | 330pF/km | |
| Conductor Loop | | |
| Resistance | 29/Ω100m maximum | 26Ω /km |
| Skew | 45 nsec/100m @ 100MHz | |
| TIA/EIA Rating | Cat 5e | Cat 6A |
| Mechanical Characteristics | | |
| Minimum Tensile Strength of Jacket (kgf/mm ²) | | 1.05 |
| Maximum Length for Strip of Jacket (mm) | | 40 |

Cable construction - PX0836, PX0837, PX0838 and 14199



Polyurethane (PUR) Jacket

Cable construction - PX0896, PX0897, PX0898 and 15241



Polyvinyl Chloride (PVC) Jacket

| RJ45 Plug | Cat 5e & POE | Cat 6a |
|-----------------------|----------------------------------|----------------------------------|
| Materials | | |
| Moulding | Polycarbonate | Polycarbonate |
| Flammability | UL94V-0 | UL94V-0 |
| Contact material | Phosphor Bronze | Phosphor Bronze |
| Contact plating | 50 micron gold | 50 micron gold |
| Operating Temperature | -40°C to +70°C | -40°C to +70°C |
| Mating cycles | 1,000 cycles | 1,000 cycles |
| RoHS | Compliant | Compliant |
| Electrical | | |
| No. Conductors | 8 | 8 |
| Conductor types | 24-28AWG, solid or multistranded | 24-28AWG, solid or multistranded |
| Current rating | 350mA | 1.5 A |
| Voltage rating | 37V ac, 57V dc | 30V ac, 42V dc |
| Contact resistance | 10mΩ max. | 10mΩ max. |
| Performance | Cat 5e & POE | Cat 6a |

| RJ45 Coupler | Cat 5e | Cat 6a |
|-----------------------|-----------------|-----------------|
| Materials | | |
| Coupler Shell | Copper Alloy | Copper Alloy |
| Coupler Plating | Nickel | Nickel |
| Moulding | ABS | ABS |
| Flammability | UL94V-0 | UL94V-0 |
| Contact material | Phosphor Bronze | Phosphor Bronze |
| Contact plating | 50 micron gold | 50 micron gold |
| Operating Temperature | -40°C to +70°C | 0°C to +70°C |
| Mating cycles | 1,000 cycles | 1,000 cycles |
| RoHS | Compliant | Compliant |
| Electrical | | |
| No. Conductors | 8 | 8 |
| Current rating | 1.5A | 1.5A |
| Voltage rating | 30V ac, 42V dc | 30V ac, 42V dc |
| Contact resistance | 10mV max. | 10mV max. |
| Performance | Cat 5e | Cat 6a |

RJ45 PCB Connector

| | |
|-----------------------|-----------------|
| Materials | |
| Coupler Shell | Copper Alloy |
| Coupler Plating | Nickel |
| Moulding | ABS |
| Flammability | UL94V-0 |
| Contact material | Phosphor Bronze |
| Contact plating | 50 micron gold |
| PC Pins | Tin plated |
| 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 |



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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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