Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
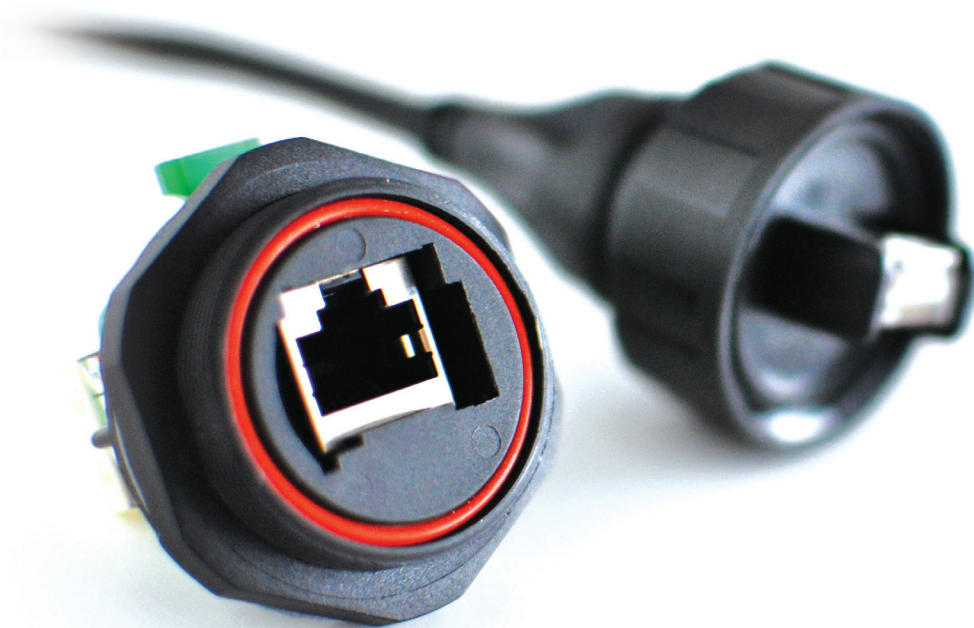
Contact us

Standard Buccaneer - Ethernet

- IP68 rated
- IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
- Cat 5e compliant
- 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
- 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

Standard Buccaneer - Ethernet

Patch Cord Flex Connector - PUR Jacket

○ 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 jacket cable
○ Wiring configuration to 568-B
○ Exceeds EIA/TIA Cat 5e
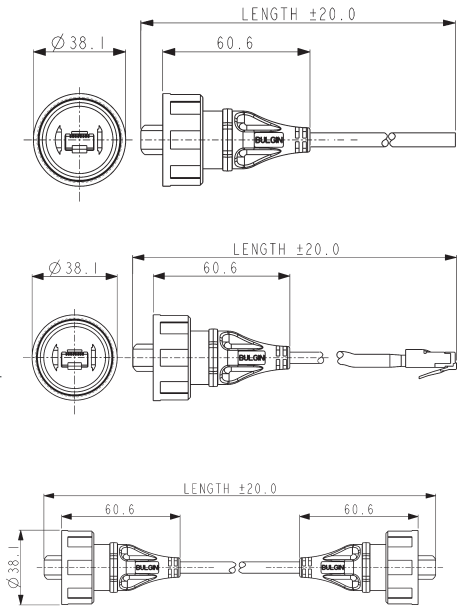
PX0836

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

Re wireable Flex Connector

○ Mates with all panel mounting connectors
○ Supplied with shielded RJ45 plug
○ Two versions:
  for PUR jacket cable (Cat 5e)
 for other cable sizes from 3.5 to 8mm dia.
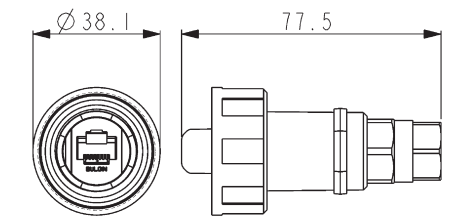
PX0834

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

Panel Mounting Connector

○ Cat 5e shielded coupler
○ Mates with PX0836, PX0837,
○ PX0838 and PX0834 flex
○ connectors
○ Standard RJ45 patchcord can be plugged into rear
○ Version with earth wire available
○ Single hole fixing
○ Complete with panel sealing gasket
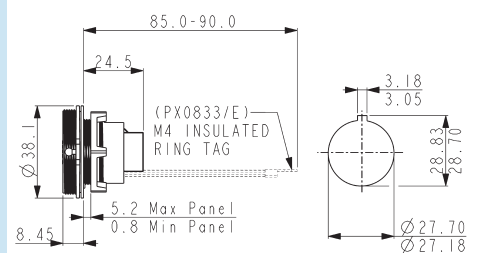
PX0833

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

Flanged Mounting Connector

PX0870

- Cat 5e shielded coupler
- Mates with PX0836, PX0837, PX0838 and PX0834 flex connectors
- Standard RJ45 patchcord can be plugged into rear
- Version with earth wire available
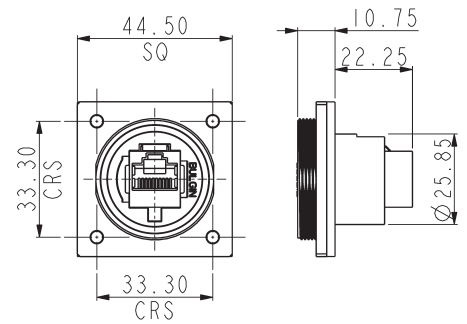- Flange fixing
- Complete with panel sealing gasket & screw sealing washers

Part no.	Description	Fixing
PX0870	Cat 5e coupler	Flange mounting
PX0870/E	Cat 5e 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
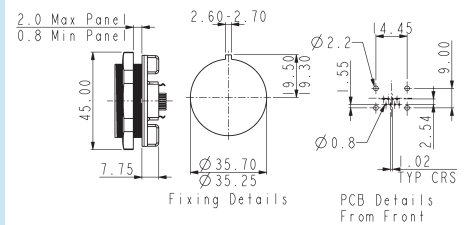
Part no.	Description	Fixing
PX0839/PC	Cat 5e connector - PC	Rear panel mounted

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
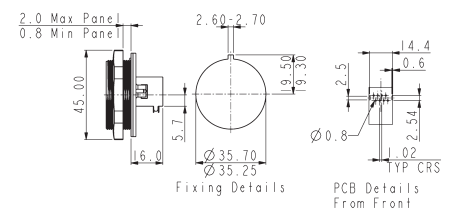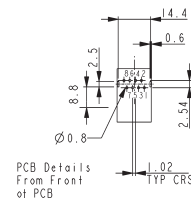- Complete with panel sealing PX0839/90 gasket

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

bulgin
a brand of Elektron Technology

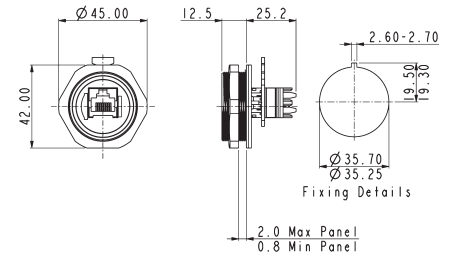## Panel Mounting Connector

○ 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

PX0839/IDC

Ø45.00 12.5 25.2 2.60-2.70
42.00 19.50 19.30
Ø35.70 Ø35.25
Fixing Details
2.0 Max Panel
0.8 Min Panel

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

Shield Back Shell Accessory

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

PX0888

53.10
SQ
17.70
16.30
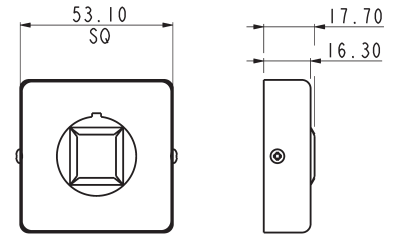
Part no.	Description
PX0888	Shielding backshell accessory

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

Sealing Caps

17.0 130.3
PX0835 Ø38.0
20.6 130.3
PX0733 Ø38.0 Ø42.0
PX0711
PX0711
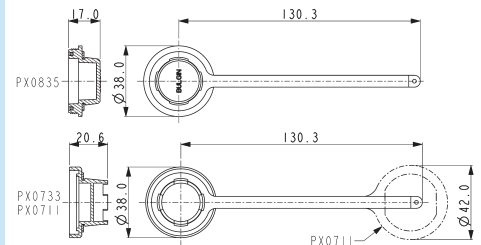
Part no.	Description
PX0835	Sealing Cap for flex connectors (PX0834, PX0836-838)
PX0733	Sealing Cap for panel mounting connector (PX0833, PX0870)
PX0711	Sealing Cap for rear panel mounting connector (PX0839)
14151	Hand crimp tooling + die set
14199	PUR Jacket Cable - 50m reel
14150	Replacement shielded RJ45

Connectors

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

Stranded S-FTP Patch cord cable - PUR Jacket

Polyurethane (PUR) jacket cable with internal construction exceeding Cat 5e performance levels. The PUR jacket has excellent abrasion, chemical and ozone resistance, low smoke, low halogen flame retardant construction suitable for internal and external industrial environments.
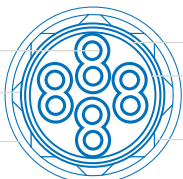
Cable

Conductors	24AWG (7/0.2mm) bare copper
Insulation	HD-PE
Pair	2 of the above cores twisted
Core	4 of the above cores
Tape	1 lap mylar tape
Screen	1 layer mylar and aluminium tape, 0.12mm
Sheath	tinned copper braid
Op Temperature	PUR Jacket Black
Min. bend radius	–25°C to +85°C
Min. bend radius	10 x o/d (installation)
Diameter	6 x o/d (installed)
	6.1mm nominal

Electrical @ 20°C

Characteristic Impedance	100 Ω ±15 Ω @ 100MHz
Capacitance	330pF/km
Conductor Loop resistance	29/Ω100m maximum
Skew	45 nsec/100m @ 100MHz
TIA/EIA Rating	Cat 5e

Cable construction - PX0836, PX0837, PX0838 and 14199

24 AWG 7/0.20mm conductor	Mylar Tape
Braiding 7/0.12mm	Insulation - HD - PE
Jacket 6.10mm dia	Aluminium/ PEPT tape
	Drain Wire

Polyurethane (PUR) Jacket

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
Conductor types	24-28AWG, solid or multistranded
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	10mV max.
Performance	Cat 5e

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

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)

PX0777

105.0 MAX.

Ø38.1

BODY MOULDING(2)
GLAND CAGE
LOCKING CAP
BODY MOULDING(1)
NUT
GLAND
GLAND NUT
O RING
COUPLER
GLAND
GLAND CAGE
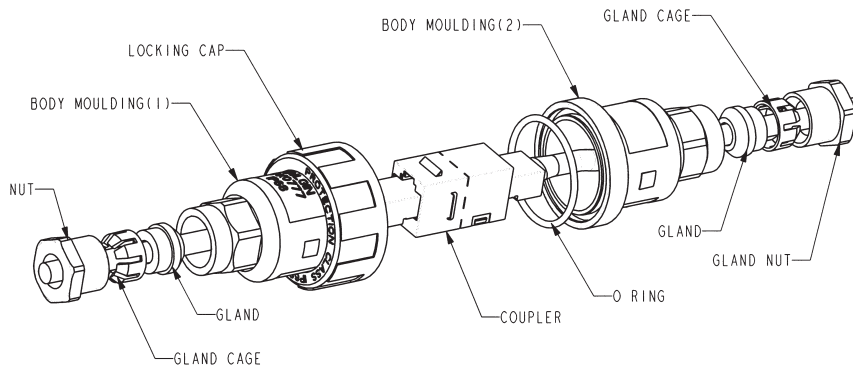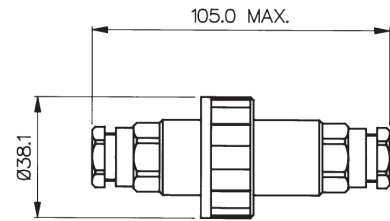
Specifications	PX0777/UTP	PX0777/STP	PX0777/CAT5ESTP
Rating:	1.5A, 30V a.c., 42V d.c.	1.5A, 30V a.c., 42V d.c.	1.5A, 30V a.c., 42V d.c.
No. of Conductors:	8	8	8
Coupler Type:	Unshielded	Shielded	Shielded CAT5e performance
Cable Range:	3.5 - 8mm	3.5 - 8mm	3.5 - 8mm
	With glands supplied:	With glands supplied:	With glands supplied:
	3.5 - 5mm (Blue)	3.5 - 5mm (Blue)	3.5 - 5mm (Blue)
	5 - 7mm (Green)	5 - 7mm (Green)	5 - 7mm (Green)
	6 - 8mm (Red)	6 - 8mm (Red)	6 - 8mm (Red)
Material:	Glass Filled Polyamide UL94V-0	Glass Filled Polyamide UL94V0	Glass Filled Polyamide UL94V0
Sealing:	IP68 to BSEN 60529:1992+A2:2013 (10m depth for 2 weeks)	IP68 to BSEN 60529:1992+A2:2013 (10m depth for 2 weeks)	IP68 to BSEN 60529:1992+A2:2013 (10m depth for 2 weeks)
Salt Mist	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
Operating Temp Range:	–20ºC to +70ºC	–20ºC to +70ºC	–20ºC to +70ºC
Colour:	Black	Black	Black
RoHS	Compliant	Compliant	Compliant