DATAMASTER

ACCESS COMMUNICATIONS PTY LTD

Cat6a STP Field Termination Plug

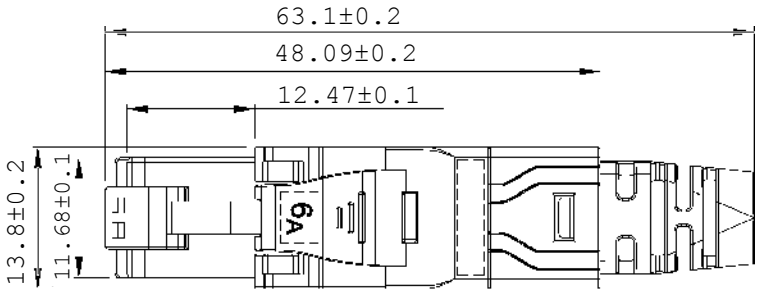
P2178FT

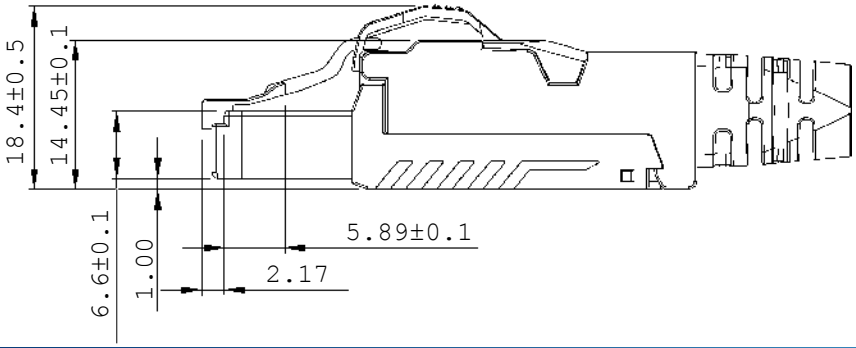
FEATURES

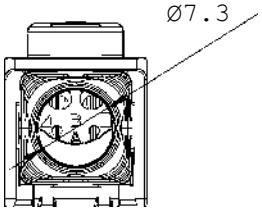
- High-density and extreme performance by PCB compensation design for Hyper-scale and Edge Data centre.
- Tool-free structure design supports easy and quick in-field termination, T568A and B wiring.
- Power over HDBaseT™ (PoH) applications up to 100 W.
- IP20 performance by the dust-cap and snap-in boot design.
- UL 1863 verified.

CAT#	TYPE	CONDUCTOR TYPE	PACKING
P2178FT	8P8C	Solid & stranded	Single

DESIGN & CONSTRUCTION







To view Access' extensive ranges go to: www.accesscomms.com.au

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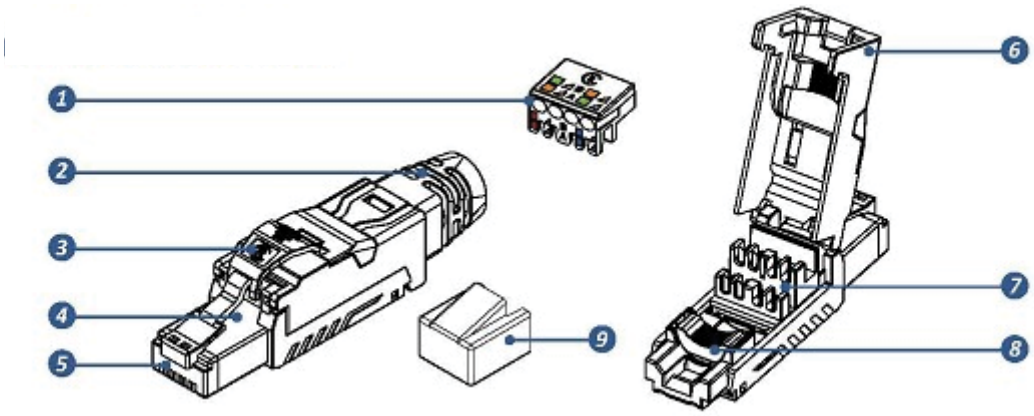
PRODUCT SPECIFICATIONS



ITEM	DESCRIPTION	COLOUR	SPECIFICATION
1	Wire management bar (DC-Cap)	White	Polycarbonate UL94V-2
2	Boot		
2.1	SR-A	Transparent	Polycarbonate UL94V-2
2.2	SR-B	Transparent	Polycarbonate UL94V-2
3	Extractor	Black	Polycarbonate UL94V-2
4	Housing		Zinc die-casting with nickel plating
5	RJ45 plug		
5.1	Housing	Transparent yellow	Polycarbonate UL94V-2
5.2	Contacts material		Phosphor bronze with nickel plating
5.3	Contacts gold plating		50 micro-inch gold plating on surface plug contact area
6	Cover		Zinc die-casting with nickel plating
7	IDC		
7.1	Housing	White	Polycarbonate UL94V-2
7.2	Terminals		Copper-alloy with tin plating
8	Grounding contacts		Zinc die-casting with nickel plating
9	Dust-cap	Black	PE
10	PCB		FR4, UL94V-0
11	Copper foil tape		

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ELECTRICAL CHARACTERISTICS

Contact resistance	≤20 MΩ from initial
Insulation resistance	≥500 MΩ at 100 Vdc for 60s
Voltage proof	Contact to contact 1000 Vdc Contact to shield 1500 Vdc for 60s
Current carrying capacity	1.0A to 60*C
UL voltage rating	150V
PoE	60 Vdc 4PPoE 100 W IEEE802.3bt type 4

INSTALLATION

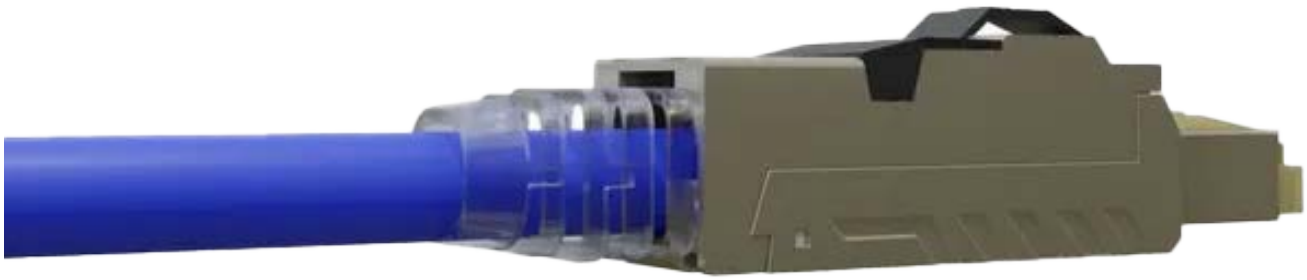
Wire conductor range	Solid and stranded
Cable OD range	5.6 - 8.5mm
IDC re-installing cycles	≥ 20 cycles
Installing temperature	0°C to 50°C
Storage temperature	-40°C to 70°C
Operating temperature	-10°C to 60°C
Humidity	10% to 90% RH

MECHANICAL CHARACTERISTICS

Life (mating cycles)	≥750 cycles
Mating/unmating EC	≤30 N
Retention strength	7.7kg between jack and plug

REGULATORY COMPLIANCE

ANSI/TIA-568.2-D
ISO/IEC 11801-1 Class EA/Class 1
IEC 60603-7-1
IEC60512-99-002
IEEE 802.3bt Type 4 PoE++ (4PPoE) 100 W
ANSI/TIA-1096-A (formerly FCC Part 68)
UL1863
RoHS/REACH compliant



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