



OVERVIEW

Zemecs T778A1 is a field terminable Category 6_A STP 8P8C RJ-45 plug. It allows installers to terminate Category 6_A shielded cables with up to 8.5 mm. outer diameter. It demonstrates a remarkable NEXT performance of 5 dB.without using a tool.

FEATURES

- Exceeds requirements of ANSI/TIA/EIA-568.2-D, EN 50173, ISO/IEC 11801, IEC 60603-7 and IEC 60512-99 cabling standards for channels, links and components
- Supports PoE and PoE+ applications
- 50µ" Gold plated contact surface
- Error free performance up to 500 Mhz. at 10 Gigabit Ethernet
- TIA 568 A/B Wiring

APPLICATIONS

- 10G Base-T 10 Gigabit Ethernet
- 1000 Base-T Gigabit Ethernet
- 100 Base-TX Fast Ethernet
- 10 Base-T Ethernet
- 622 Mbps ATM
- 155 Mbps ATM
- ISDN
- 4/16 Mbps Token Ring
- 100 Mbps TP-PMD
- Broadband and baseband video



MATERIAL SPECIFICATIONS

Housing/Cover Material	Nicket Plated Diecast Zinc/Polycarbonate
Contact Material	Phosphorous Bronze
Plug Contact Surface	50µ" Gold Plate Over 100µ" Nickel
Housing/Cover Colour	Metallic/Black
Cable Holder	PBT+10% GF
Suitable Conductor Diameter	0,405mm. - 0,641mm.
Suitable Cable Outer Diameter	8,5mm., Max.



COMPLIANCE

Standards For Generic Cabling And Cabling Components - Category 6 _A Plug Requirements	
• ISO/IEC 11801-1:2017 (V.1.0)	• ISO/IEC 11801-2:2017 (V.1.0)
• EN 50173-1:2018	• EN 50173-2:2018
• IEC 60603-7-51: 2010	• IEC 60512-99-002:2019
• ANSI/TIA-568.2-D:2018	
Standards For The Restriction Of Use Of Hazardous Substances In Electrical And Electronic Equipments	
• 2011/65/EU (RoHS-2)	



ENVIRONMENTAL SPECIFICATIONS

Transportation & Storage Temperature	-40 / +70	°C
Installation Temperature	-20 / +60	°C
Operation Temperature	-10 / +60	°C
Relative Humidity	10 - 93, Non-condensing	%

MECHANICAL SPECIFICATIONS

Compatible Plug Type	8P8C	RJ-45
Insertion Life	1.250	Cycles (IEC-60603-7)
Durability(Termination Cycles)	200	Cycles, Max.
Cable - Plug Contact Force	9(89)	kg.(N.), Max.
Plug-Jack Coupling Force	8	N., Max. (all wires)

ELECTRICAL SPECIFICATIONS

Insulation Resistance (@500 VDC)	500	MΩ, Min.
DC Resistance (@20 °C)	0,1	Ω, Max.
Contact Resistance (@ 100mA, 50mV)	20	mΩ, Max.
Termination Resistance	35	mΩ, Max.
Current Rating	1,5	A, Max.
Dielectric Strength (@60 Hz. / 1min.)	1.000	VAC Rms

PART NUMBER CODING

Part Nr.	Product Description
T778A1	Zemecs Category 6 _A STP RJ-45 Field Terminable Plug
T778A1-S	Zemecs Category 6 _A STP RJ-45 Field Terminable Plug, Pack of 5