

CATEGORY 6 UTP RJ45 PLUG

Product Overview

AGER UTP copper RJ45 plug products consist of high-performance connectors that comply with the IEC 60603-7-4 (250 MHz) standard, featuring an 8-position design (suitable for 8 isolated conductor inputs) and an 8-contact structure.

The product group is designed to enable the fast, easy and reliable termination of UTP cables with 24–27 AWG cross-section, solid or flexible conductors.

It is approved to ANSI/TIA/568-2-E, ISO/IEC-11801 (2nd edition) and IEC 60603-7-4.



Supported Protocols

- 10BASE-T Ethernet
- 100BASE-T2
- 100BASE-T4
- 100BASE-TX
- 100BASE-T "Fast Ethernet"
- 1000BASE-T Gigabit Ethernet
- ATM 52
- ATM 25
- ATM 155
- TP-PMD
- Token Ring 100 Mbps
- Token Ring 4 Mbps and 16 Mbps
- Broadband and Baseband Video
- ISDN Basic and Primary Access
- 1BASE-5 Starlan
- ISALAN
- IITU V.21 and X.11
- UL94 V-0

Product Shipping Information

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Product Code	Product Description
ACPL6-33-1A-CL	RJ45 Cat6 UTP Plug (100 PCS BOX)

(* This product is also available with the AC-690-RJ45 code.)

Mechanical and Physical Properties

MECHANICAL AND PHYSICAL PROPERTIES	
BODY MATERIAL	Polycarbonate, UL 94 V-0.
STANDARD COLOUR	Standard Transparent
CONTACT MATERIAL	Nickel, gold plating (0.6 µm)
COMPATIBLE CABLE LENGTHS	AWG 23–27, tool-free installation for solid or flexible cables.
COMPATIBLE CABLE DIAMETERS	5.5 mm to 6.2 mm
MINIMUM MAKE-BREAK CYCLES	750 times
OPERATING TEMPERATURE	-40°C to +70°C
COMPACT SIZE	35 x 25 x 17 mm, Weight approx. 12 g.

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Electrical Transmission Properties

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INSULATION RESISTANCE	500 MegaOhm•Km min. @ 500 Vdc
DC RESISTANCE	0,1 Ohm
RESISTANCE UNBALANCE	%2 Maks.
VOLTAGE	72 V max
DIELECTRIC STRENGTH	1000 Volts AC / 1 Sec.
CURRENT	1.5 A MAX.
SIGNAL TRANSMISSION TIME (Prob. Delay)	2.5 nS Maks @ 1-250 MHz
INTER-PERL SIGNAL DELAY (Scw Delay)	1.25 nS Maks @ 1-250 MHz

