

## 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

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

## CATEGORY 6 UTP RJ45 PLUG

### Electrical Transmission Properties

Electrical Transmission Properties	
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 (Screw Delay)	1.25 nS Maks @ 1-250 MHz

