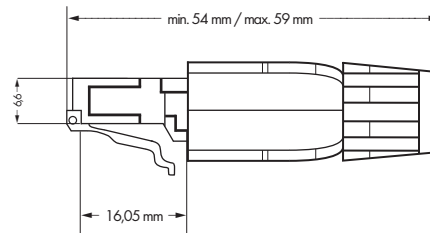
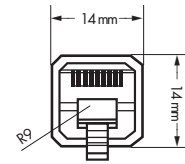
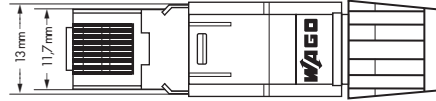


ETHERNET RJ-45 Connector, IP20

ETHERNET 10/100 Mbits/s; for field assembly



Pin assignment TIA-568A

Pin	Color	pair of wires
1	Green stripped	3
2	Green	
3	Orange stripped	2
4	Blue	
5	Blue stripped	1
6	Orange	
7	Brown stripped	4
8	Brown	

Versatile RJ-45 connector for industrial, office and building wiring.

The compact RJ-45 uses IDC technology for easy field assembly – connection is made without tools.

The connector is compliant with all required standards. Large conductor cross sections can also be connected.

The connector satisfies Category 5e.

Description	Item No.	Pack. Unit	Technical Data
ETHERNET RJ-45 connector, IP20	750-975	1	Electrical Data
Technical Data			Contact resistance (wire - IDC) < 1 mΩ;
General Specifications			(strand - IDC) < 5 mΩ
No. of Poles	8		Connector shield < 20 mΩ
Contact material	Bronze (CuSn6)		Insulation resistance (100 V) > 500 MΩ
Contact plating	> 1.2 μm gold over 1.2 μm nickel		Dielectric strength (contact-contact) > 1000 V, 1 min.;
Insulation material	Connector, polycarbonate (UL94-V0)		(shield-contact) > 1500 V, 1 min.
Housing material	Plastic, gray, (UL94-V0)		Nominal current 1.75 A / 20 °C
Mating cycles	min. > 1000		Standards/specifications - Basic standard:
Wire connection	IDC (Insulation Displacement Contact), acc. to 60352-4		IEC 60603-7 RJ-45 Category 5
IDC surface treatment	Tin-plated, approx. 5 μm solid:		- CD ISO/IEC 11801: 2002
Cross sections	0.13 mm ² ... 0.24 mm ² / AWG 26/1 ... 23/1		- EN 50173: 2002
	stranded:		- EIA/TIA 568A: 2002
	0.14 mm ² ... 0.36 mm ² / AWG 26/7 ... 22/7		
Admissible insulation Ø	≤ 1.6 mm		
Cable jacket Ø	4.5 mm ... 8.0 mm		
Wire strain relief	With plastic ribs		
Cable strain relief	> 50N		
Shield contacting	Large surface >180° (on cable shield)		
Shield material	Brass (CuZn), hot-dip tinned 3 μm		
Ambient operating temperature	-20 °C ... +70 °C		
Storage temperature	-40 °C ... +70 °C		
Degree of protection	IP20		
			Approvals
			Marine applications ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA
			UL 508