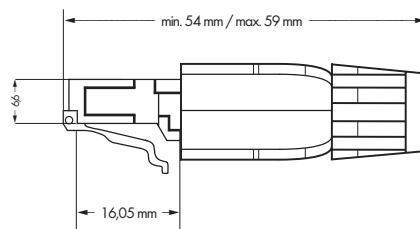
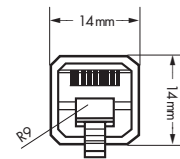
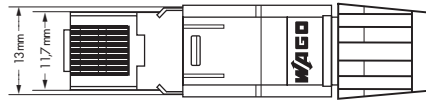


## ETHERNET RJ-45 Connector, IP20

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	1
4	Blue	
5	Blue stripped	2
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	
<b>Technical Data</b>			
<b>General Specifications</b>			
No. of Poles	8		
Contact material	Bronze (CuSn6)		
Contact plating	> 1.2 µm gold over 1.2 µm nickel		
Insulation material	Connector, polycarbonate (UL94-V0)		
Housing material	Plastic, gray, (UL94-V0)		
Mating cycles	min. > 1000		
Wire connection	IDC acc. to 60352-4		
IDC surface treatment	Tin-plated, approx. 5 µm		
Cross sections	Tin-plated, approx. 5 µm solid: 0.13 mm <sup>2</sup> ... 0.24 mm <sup>2</sup> / AWG 26/1 ... 23/1 stranded: 0.14 mm <sup>2</sup> ... 0.36 mm <sup>2</sup> / 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		
<b>Electrical data:</b>			
Contact resistance	(wire - IDC) < 1 mΩ; (strand - IDC) < 5 mΩ		
Connector shield	< 20 mΩ		
Insulation resistance	(100 V) > 500 MΩ		
Dielectric strength	(contact-contact) > 1000 V, 1 min.; (shield-contact) > 1500 V, 1 min.		
Nominal current	1.75 A / 20 °C		
Standards/Specifications	- Basic standard: IEC 60603-7 RJ-45 Category 5 - CD ISO/IEC 11801: 2002 - EN 50173: 2002 - EIA/TIA 568A: 2002		
<b>Approvals</b>			
Shipbuilding	see "Approvals Overview" in section 1		
UL 508			