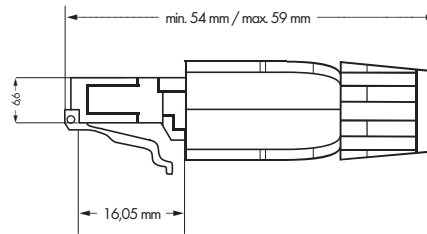
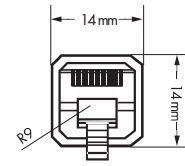
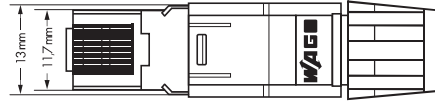
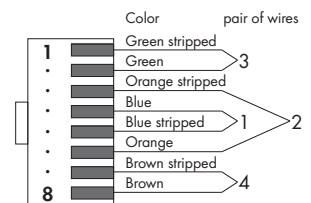


## ETHERNET RJ-45 Connector, IP20

ETHERNET 10/100 Mbps/s; for field assembly



## Pin assignment TIA-568A



## 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
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	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	

## Technical Data

## Electrical data:

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

## Approvals

Shipbuilding	see "Approvals Overview" in section 1
UL 508	