

Connection Technology For Harsh Environments



Industrial Ethernet

IP 65 / IP 67 Rated

Available from:



Industrial Ethernet Networks

Target: any RJ45 application that will be subject to harsh environments, especially the need for **Sealing** against Liquids & dusts.



CONEC Ruggedized RJ45's

RJ45 connector for EtherNet/IP – IP67 rated



Applications

- industrial machinery, CNC machines
- communication equipment
- food and chemical process equipment
- railway network systems
- oil exploration
- industrial process control
- diagnostic equipment
- printers, displays
- factory automation, robotics
- outdoor telecom systems



CONEC IE Connectors

RJ45 connector for EtherNet/IP – IP67 rated



Product features

- Bayonet Coupling mechanism to IEC 61076-3-106 standards
Or...M28 Threaded coupling, in all brass construction
- secure fastening by audible „click“ sound while locking connector halves
- RJ45 Cat. 5e connector in acc. EIA/TIA-568-B2
- protective cap for closing unconnected interfaces
- IP 67 protection when connected or closed
- three types of receptacle housings
- shielded and unshielded versions
- plastic and plastic metalized versions
- NEW All Metal zinc Diecast version



Coupling Types



Bayonet

1/3 turn 'click & lock'



Threaded...M28



All Metal versions shown:
Bayonet is DieCast Zinc
M28 is machined Brass

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Receptacle housings Panel Mounted:

- for panel thicknesses up to 3,2 mm
- front or rear mounting possible
- Black plastic, metalized plastic, or New All Diecast
- avail. with protective cap
- epoxy sealed versions for additional device protection in unmated condition



Inline Coupler version –
connection with
standard
IP 20 patch cord cable
inside the device

PCB version –
solder connection
inside the device



IDC version –
IDC connection
inside the device

Panel Mounted Receptacle



- Creates a sealed connection, between the outside world, and the box with an RJ45 interface.



Inline Coupler version –
RJ45 both inside and outside.
Makes for easy feed-thru using
standardized cord sets.

Panel Mounted Receptacle

- For discrete wires, IDC type



IDC version –
Simple ,punch-down‘ wire termination



Panel Mounted Receptacle

- Solder termination style
- Accepts 'wires', or 'pins'



PCB version –

Versatile means to solder to the RJ device

PLUG KITS

RJ45 connector for EtherNet/IP – IP67 rated

Plug kit

- RJ45 Cat. 5e plug connector in acc. EIA/TIA-568-B2
- for AWG 24 copper wire, stranded or solid cable
- plastic and metalized plastic version
- New version with zinc Diecast coupling ring & body



Protective Caps



- Use when not mated
- Available in all corresponding receptacle materials
- ...Plastic tether, or ball-chain security



Strain Relief Plug Kit

- Used Inside the box for high vibration applications.



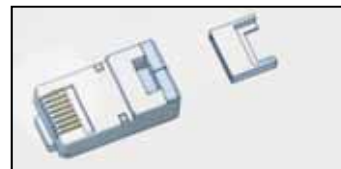
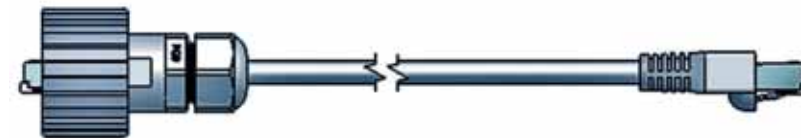
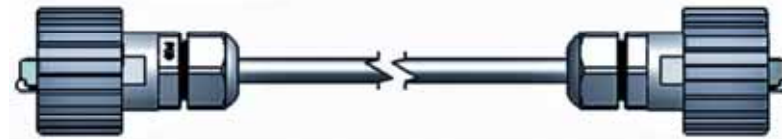
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Patch cords

- IP 67 to IP 67 patch cords
- IP 67 to IP 20 patch cords
- various standard lengths
- twisted pair cable Shielded or
- twisted pair cable Unshielded versions
- Cable Jackets for Indoor, or
- UV stabilized Cable Jackets for OUTDOOR
- PLUG Kits for field termination with anti-snag boots



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Accessories

- RJ45 crimp tool with full stroke ratchet
- cable circuit Tester with remote terminal module



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Information Sources:

- IP67 I/O catalog
- website

Documentation includes:

- drawings
- part numbers
- detailed technical data

