

M12 – RJ45 INDUSTRIAL ADAPTER

Norden M12 to RJ45 Cat.6A/Class EA adapter meets the requirements of the Industrial Ethernet field and complies with IEC standards. It provides a high-performance data transmission rate of up to 10 Gbps as well as a waterproof solution. It is specifically designed for use in harsh industrial environments.



COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE applications.
ANSI/TIA-568.2-D and ISO/IEC-11801 (2nd Edition)
IEC 61076-2-109 & IEC 60603-7-51

DESIGN & MATERIALS

Material	PC (Polycarbonate)
Housing	Zinc Alloy with 360-Degree Shielding
O-Ring	Silicone Rubber
M12 Connector	Iron Sheet, Nickel Plated
RJ 45 Housing	Brass C2680, Tin Plated
Connector Type	Male/Female
Degree Of Protection	Ip68 (M12) /IP20 (Rj45)
Operating Temperature	-25°C to +50 °C
Storage Temperature	-40°C to +70°C
Number of ports	1 x M 12 D-Coded, 1x Rj45
Fixing Thread	M16*1.5 (M12)
M12 Dust Proof Cap Material	PA66+GF
Dust Proof Cap Strap Material	TPU (Thermoplastic Polyurethane)

ELECTRICAL CHARACTERISTICS

Insulation Resistance	100 Ω MIN
Contact Resistance	M12 ≤10 Ω MAX, RJ45 ≤20 Ω MAX
Dielectric withstanding voltage	pin to pin 1000V AC, pin to Shield 1500V DC
Current rating	M 12=0.5A, RJ45=1.5A
Nominal Voltage	50V AC / 60V DC
Contact/Contact	Mated or Terminated Connectors 1000V DC
All Contacts to Screen	Mated or Terminated Connectors 1000V DC

ORDERING INFORMATION

Part Number	Description
12N-211	M12-RJ45 Industrial Connector with Dust Proof Cap
12N-201	M12-RJ45 Industrial Connector without Dust Proof Cap

