

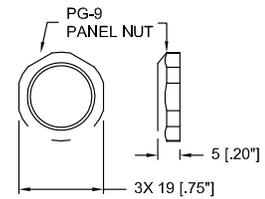
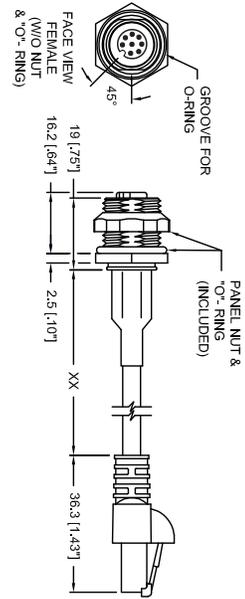
0985 656 104



EtherMATE™ Industrial Ethernet Double-Ended Ethernet Cordset

M12 Receptacle / RJ45 (Shielded, PVC)

Industrial Ethernet, double-ended cord set, **high-flex**, M12 female receptacle to RJ45 male, 4-pair, 24 AWG, PVC cable, **stranded/shielded**, with teal jacket.



Wiring Diagram

M12 / RJ45

M12	Color	RJ45
6	White/Orange	1
4	Orange	2
1	White/Blue	5
7	Blue	4
5	White/Green	3
8	Green	6
2	White/Brown	7
3	Brown	8
Nut	Shield	Shell

Pin Assignment

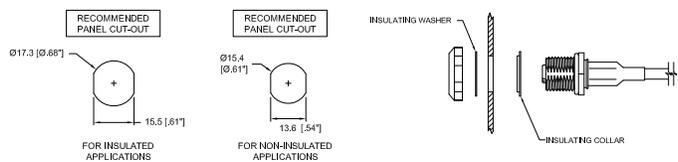
M12 Socket



RJ45 Socket



Recommended Panel Installation





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Technical Data

Environmental

Degree of protection M12: IP 68 / RJ45: IP 20
Temperature rating -20°C(-4°F) to +75°C(+167°F)

Mechanical

Housing Brass, nickel plated
Insert PUR, black
Contacts Brass, gold plated
Insert PUR, black

M12

Brass, nickel plated
PUR, black
Brass, gold plated
PUR, black

RJ45

Polycarbonate
Phosphor bronze, gold plated
Elastomer polyolefin
Copper alloy, nickel plated

Plug

Contacts

Boot

Shell

Cable Specifications

Cable Jacket PVC, (sun and oil resistant)
Color: Teal
Overall diameter 7.77mm, nominal
Conductor 24AWG, 7 strands tinned copper
Insulation Polyethylene
Foil shield Aluminum/polypropylene tape, 100% coverage
Braided shield Tinned copper, 65% coverage
EMI protection 50 dB @ 0.772 MHz - 1000 MHz
Agency approval ETL rated CMR
Cable Type CAT5e, high flex / high noise

Part Number	Cable Length Options
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0985 656 104/...M

0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M / 20 M



The application of these products in harsh environments should always be checked before use.
Specifications subject to alteration.

NOTE: Vibration & Oil Resistant applies to M12 side only.