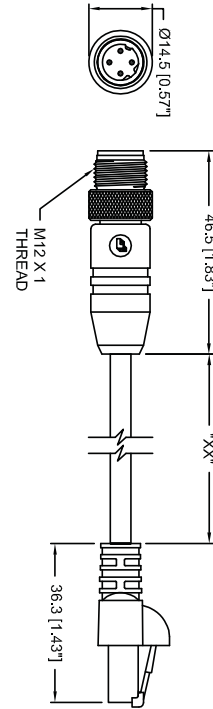EtherNet/IP

Industrial Ethernet Double-Ended Cordsets for Ethernet/IP

0985 706 103

M12 / RJ45 (High-Flex, Unshielded, TPE)

Ethernet I/P, high-flex, double-ended cord set, M12 male to RJ45 male, 4 pin, D-coded, 24 AWG, teal TPE jacket, stranded/unshielded cable with 2 twisted pairs.

Ø14.5 [0.57"]

M12 X 1 THREAD

46.5 [1.83"]

"XX"

36.3 [1.43"]

Wiring Diagram

M12 / RJ45

M12	Color	RJ45
1	White/Orange	1
3	Orange	2
2	White/Green	3
4	Green	6

Pin Assignment

M12 Socket	RJ45 Socket
2 3 1 4	1 2 3 4 5 6 7 8

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Technical Data

Environmental

Degree of protection	M12: IP 68, NEMA 6P / RJ45: IP 20
Temperature rating	-20°C(-4°F) to +75°C(+167°F)

Mechanical — **M12**

Molded Body	PUR, Black
Coupling Nut	Brass, Nickel plated
Contacts	Brass, Gold over Nickel plated
Insert	PUR, Self extingusing

RJ45

Housing	Pre-tinned copper alloy
Insert	Clear polycarbonate
Contacts	50 µ" gold in contact area over nickel plating

Cable Specifications

Cable jacket	TPE
Color	Teal
Overall diameter	.210"
Conductor	24 AWG stranded tinned copper
Insulation	High density polyethylene
Continuous Flex	2 million cycles @ 10X, 10 million cycles @ 20X bend radius

Part Number	Cable Length Options
0985 706 103/...M	0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M / 20 M / 25 M / 30 M / 35 M / 40 M / 45 M / 50 M / 60 M / 70 M / 80 M / 90 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.