

M12

1210 ..D S9 7...

Cordsets M12



Industrial Ethernet data cordset, shielded, with overmolded connector

Cable end 1:

M12 male, straight, D-coded, IP67, shielding connected via knurled screw

Cable end 2:

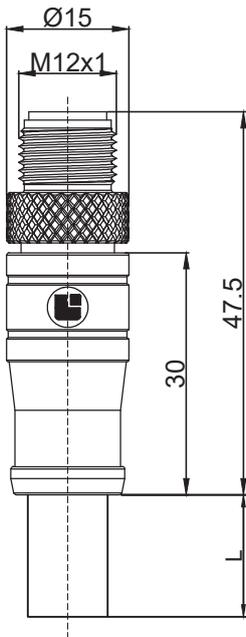
blunt cut

Cable:

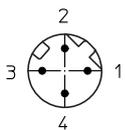
Industrial Ethernet, Cat 5e, Profinet Type C, PUR, shielded, green

M12

1210 ...D S9 7...



Pin assignments for male M12 connectors, D-coded, front view



- 4 pole
 1 yellow
 2 white
 3 orange
 4 blue

Environmental conditions

Temperature range -25 °C/+80 °C

Materials

Insulating body TPU GF, HB according to UL94
 Contact pin CuZn, pre-nickel and gold-plated
 Overmolding/handle PUR
 Knurled screw CuZn, nickel-plated

Mechanical data

Mating cycles ≥ 100
 Insertion force $\leq 23 \text{ N}^1$
 Withdrawal force $\leq 23 \text{ N}^1$
 Protection class IP67²

¹ measured with a proper counterpart

² according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

Connected cable

Construction Industrial Ethernet, Cat 5e, Profinet Type C
 Outer jacket PUR, green

Electrical data (at $T_{\text{amb}} 20 \text{ °C}$)

Contact resistance $\leq 5 \text{ m}\Omega$
 Rated current 4 A
 Rated voltage 60 V DC (with pollution degree 3)
 Rated impulse voltage 1500 V
 Material group I (IEC)/0 (UL) (CTI = 600)
 Overvoltage category III
 Insulation resistance $> 100 \text{ M}\Omega$

Associated products

Counterparts
 ↗ 1210 1200 ...D S9 7... ↗ 1210 1221 ...D S9 T16 7... ↗ 1220 ...D T16CW ...
 ↗ 1221 ...D T9CP

Accessories
 ↗ 9912 CPM0

M12

1210 ...D S9 7...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1210 04D S9 715 2m	4	PUR, green, 4 x 0.34 mm ² (AWG 22), Industrial Ethernet, Cat 5e, Profinet Type C, shielded 910715, UL-style 20233	5	10	2000
1210 04D S9 715 5m	4	PUR, green, 4 x 0.34 mm ² (AWG 22), Industrial Ethernet, Cat 5e, Profinet Type C, shielded 910715, UL-style 20233	1	10	5000
1210 04D S9 715 10m	4	PUR, green, 4 x 0.34 mm ² (AWG 22), Industrial Ethernet, Cat 5e, Profinet Type C, shielded 910715, UL-style 20233	1	10	10000

Packaging:
in a plastic bag