

M12 1210 1221 ...D S9 T16 7...

## Cordsets M12



Industrial Ethernet data cordset, shielded, with connectors

**Cable end 1:**

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

**Cable end 2:**

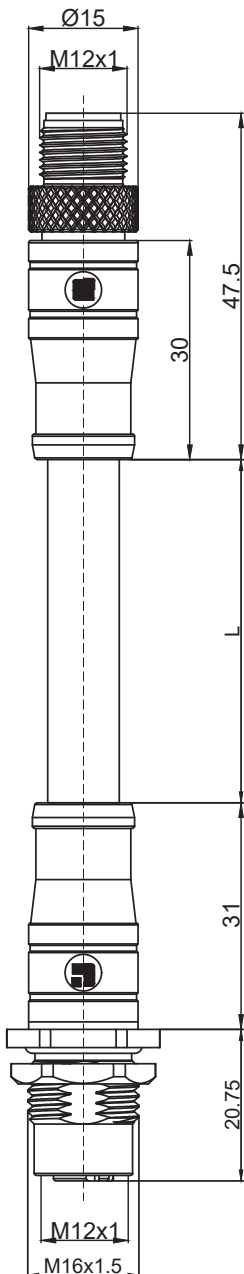
M12 panel mount connector, female, straight, D-coded, IP67, shielding connected via housing, for rear side mounting, thread M16, with nut

**Cable:**

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

M12

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#### Environmental conditions

Temperature range -25 °C/+80 °C

#### Materials

Insulating body	TPU GF, HB according to UL94
Contact bush	CuZn, pre-nickel and gold-plated
Contact pin	CuZn, pre-nickel and gold-plated
Housing	CuZn, nickel-plated
Overmolding/handle	PUR
Knurled screw	CuZn, nickel-plated
Hexagonal nut	CuZn, nickel-plated
Seal	FKM/NBR

#### Mechanical data

Mating cycles	≥ 100
Insertion force	≤ 23 N <sup>1</sup>
Withdrawal force	≤ 23 N <sup>1</sup>
Protection class	IP67 <sup>2</sup>

<sup>1</sup> measured with a proper counterpart

<sup>2</sup> 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<sub>amb</sub> 20 °C)

Contact resistance	≤ 5 mΩ
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 MΩ

#### Associated products

##### Counterparts

☞ 1210 ...D S9 7...	☞ 1210 1200 ...D S9 7...	☞ 1210 1210 ...D S9 7...
☞ 1220 ...D T16CW ...	☞ 1221 ...D T9CP	

##### Accessories

☞ 9912 CPF0	☞ 9912 CPM0
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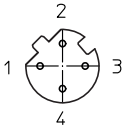
M12

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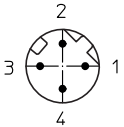
Pin assignments for female M12 connectors, D-coded, front view

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- 4 pole
- 1 yellow
  - 2 white
  - 3 orange
  - 4 blue

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



- 4-polig
- 1 gelb
  - 2 weiß
  - 3 orange
  - 4 blau

M12

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1210 1221 04D S9 T16 715 0,6m	4	PUR, green, 4 x 0.34 mm <sup>2</sup> (AWG 22), Industrial Ethernet, Cat 5e, Profinet Type C, shielded 910715, UL-style 20233	5	10	600
1210 1221 04D S9 T16 715 1,5m	4	PUR, green, 4 x 0.34 mm <sup>2</sup> (AWG 22), Industrial Ethernet, Cat 5e, Profinet Type C, shielded 910715, UL-style 20233	5	10	1500
1210 1221 04D S9 T16 715 3m	4	PUR, green, 4 x 0.34 mm <sup>2</sup> (AWG 22), Industrial Ethernet, Cat 5e, Profinet Type C, shielded 910715, UL-style 20233	1	10	3000

**Packaging:**  
in a plastic bag