

M12 1200 ...L 3...

Cordsets M12



Power cordset with overmolded connector

Cable end 1:

M12 Power female, straight, L-coded, IP67

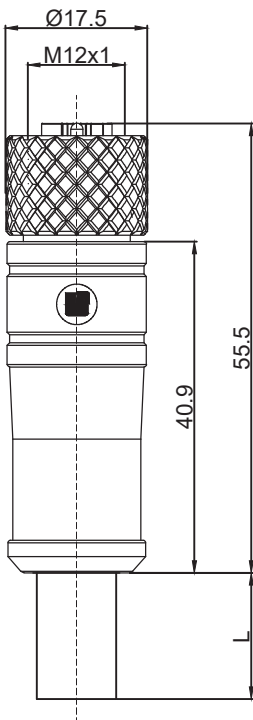
Cable end 2:

blunt cut

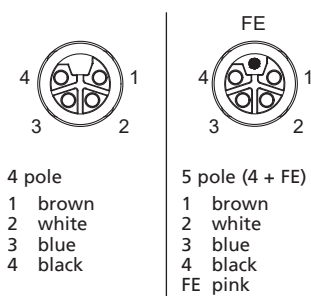
Cable:

PUR, black

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Pin assignment for female M12 Power connectors, L-coded



Environmental conditions

Temperature range -40 °C/+90 °C

Materials

Insulating body PA
 Contact Cu alloy, pre-nickel and gold-plated
 Overmolding/handle TPU¹
 Knurled nut CuZn, nickel-plated
 Seal NBR

¹ material halogen-free

Mechanical data

Mating cycles ≥ 100
 Insertion force ≤ 30 N (2-4 poles)
 ≤ 45 N (5 poles)¹
 Withdrawal force ≤ 30 N (2-4 poles)
 ≤ 45 N (5 poles)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

Outer jacket PUR, black

Electrical data (at T_{amb} 20 °C)

Contact resistance ≤ 10 mΩ
 Rated current 16 A (T_{amb} 40 °C)
 Rated voltage 63 V
 Rated impulse voltage 1500 V/60 s
 Material group I (IEC)/0 (UL) (CTI = 600)
 Overvoltage category III
 Pollution degree 3
 Insulation resistance > 100 MΩ

Associated products

Counterparts
 ↗ 1210 ...L 3... ↗ 1210 1200 ...L 3... ↗ 1230 ...L T16CW ...

M12

1200 ...L 3...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1200 05L 332 2m	5 (4 + FE)	PUR, black, 5 x 2.08 mm ² (AWG 14), 910332, UL-style 20939	1	10	2000
1200 05L 332 5m	5 (4 + FE)	PUR, black, 5 x 2.08 mm ² (AWG 14), 910332, UL-style 20939	1	10	5000
1200 05L 332 10m	5 (4 + FE)	PUR, black, 5 x 2.08 mm ² (AWG 14), 910332, UL-style 20939	1	10	10000

Packaging:
 in a plastic bag