

ELSP SAFETY PRODUCTS

Female and male M12-8 cables

Data sheet

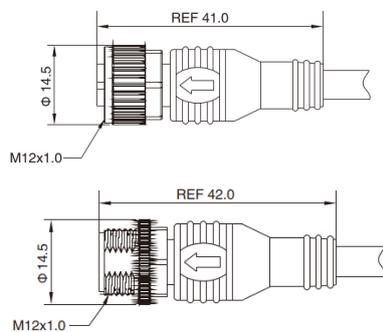
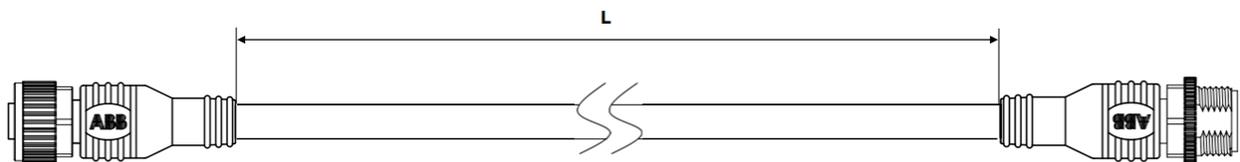
Shielded cable with straight M12-8 male and female connectors. 8 x 0.34 mm². Shield connected to pin 7 (0V) on male connector. Black PVC.



Note

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

Dimensions



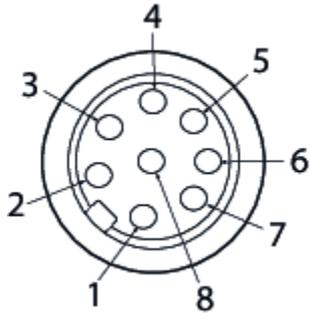
Dimensions in mm

| Product ID | Designation | Cable length (L) |
|-----------------|-------------|------------------|
| 2TLA020056R6400 | M12-C00634 | 60 ± 15 mm |
| 2TLA020056R5000 | M12-C134 | 1 000 ± 50 mm |
| 2TLA020056R5100 | M12-C334 | 3 000 ± 100 mm |
| 2TLA020056R7600 | M12-C634 | 6 000 ± 100 mm |
| 2TLA020056R7700 | M12-C1034 | 10 000 ± 200 mm |
| 2TLA020056R7800 | M12-C2034 | 20 000 ± 200 mm |

See <https://new.abb.com/low-voltage/products/safety-products> and/or the ABB safety products catalog for availability.

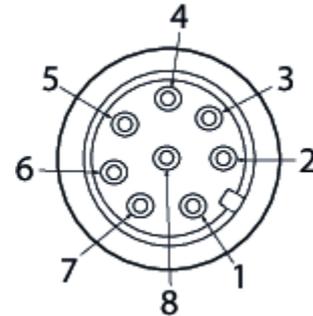
Configuration

Female connector



- 1 White
- 2 Brown
- 3 Green
- 4 Yellow
- 5 Gray
- 6 Pink
- 7 Blue
- Connected to shield on male connector
- 8 Red

Male connector



Technical data

| Manufacturer | |
|-------------------------------|---|
| Address | ABB Electrification Sweden AB SE-721 61 Västerås, Sweden |
| Electrical data | |
| Nominal voltage | 24 V |
| Maximum voltage | 30 V |
| Rated input current | 2 A |
| Environmental data | |
| Ambient temperature | -20 ... 80 °C |
| Protection class | IP67/IP69K |
| Connector(s) | |
| Connector type | Straight M12-8 female and male connectors |
| Coding | A |
| Material – Pin/Socket | Gold plated brass |
| Material – Insert | TPU |
| Material – Overmold/shell | Black TPU |
| Material - Coupling nut/screw | Nickel plated zinc alloy |
| Material – Seal/O-ring | Green rubber |
| Cable | |
| Length | See Dimensions |
| Conductor design | 8 cores + Drain + Aluminum foil |
| Conductor cross-section | 22 AWG - 0.34 mm ² |
| Conductor material | Copper |
| Conductor resistance | 60.25 Ω/km 20° C |
| Insulation color | See Configuration |
| Insulation material | PVC |
| Insulation outer diameter | 1.3 ± 0.10 mm |
| Insulation resistance | 2.5 MΩ/km 20° C |
| Jacket color | Black |
| Jacket material | PVC/60P |
| Jacket outer diameter | 6.50 ± 0.15 mm |

Marking

ABB  AWM 2464 22AWG VW-1 80°C 300V B343967 FINCABLES
 AWM 22AWG I/II A FT1 80°C 300V +LF+ Max 36VDC