

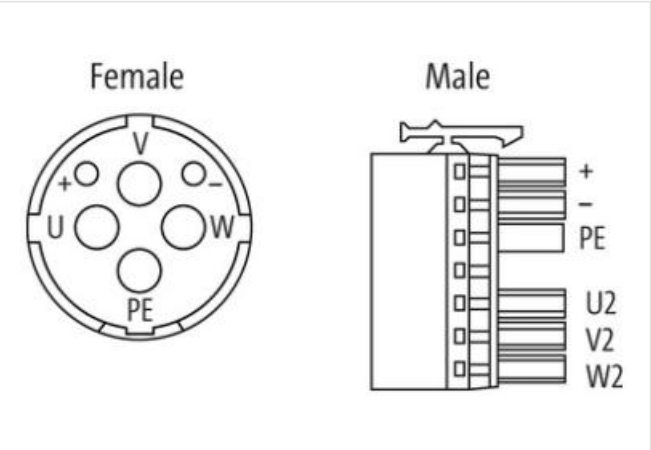
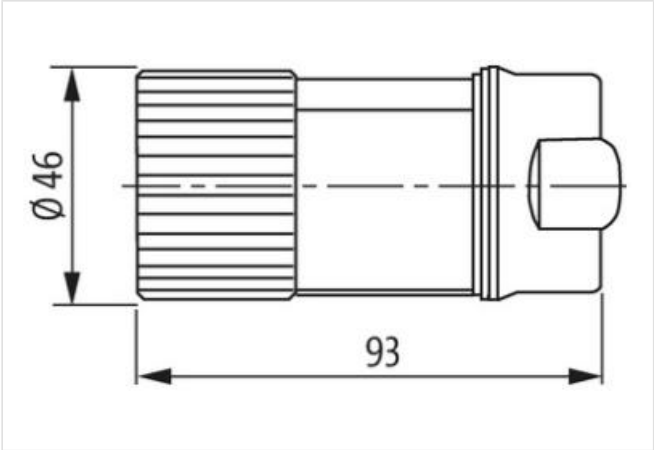
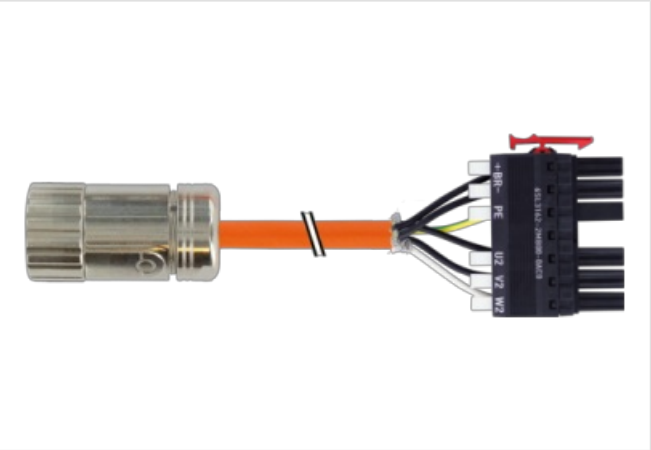
M40 Servo Cable

Specification: 6FX5002-5DS36-1DF0

Female straight
without cable sleeves
M40
6-pole
Power connector SIEMENS
Terminals
Further cable lengths on request.
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration



Product may differ from Image

| | |
|--------------------------|-----------|
| Cable length | 35 m |
| Side 1 | |
| Family construction form | M40 |
| Thread | M40 x 1.5 |
| Commercial data | |

| | |
|-----------------------|---------------|
| ECLASS-6.0 | 27279221 |
| ECLASS-6.1 | 27279218 |
| ECLASS-7.0 | 27279218 |
| ECLASS-8.0 | 27279218 |
| ECLASS-9.0 | 27060327 |
| ECLASS-10.1 | 27060311 |
| ECLASS-11.1 | 27060311 |
| ECLASS-12.0 | 27060327 |
| ETIM-5.0 | EC001576 |
| customs tariff number | 85444290 |
| GTIN | 4048879729352 |
| Packaging unit | 1 |

Electrical data | Supply

| | |
|---------------------------|-------|
| Operating voltage AC max. | 630 V |
| Operating voltage DC max. | 630 V |

Device protection | Electrical

| | |
|--|-------------------|
| Degree of protection (EN IEC 60529) | IP65, IP67 |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 6 kV |
| Material group (IEC 60664-1) | I |

Mechanical data | Material data

| | |
|------------------|------------------|
| Coating locking | Nickeled |
| Locking material | Zinc die-casting |

Environmental characteristics | Climatic

| | |
|--|----------------------------|
| Operating temperature min. | -20 °C |
| Operating temperature max. | 85 °C |
| Additional condition temperature range | depending on cable quality |

Installation | Cable

| | |
|--|--|
| STOOW style jacket | Hybrid, Signal, Power |
| Cable identification | 863 |
| Jacket Color | orange |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 2 wires with Filler twisted |
| Amount stranding (type 2) | 1 |
| Stranding (type 2) | 4 wires with Filler around Stranding combination twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 85 % |
| Pair shielding (type) | copper braid, tinned |
| Banding | Fiber tape, Fleece, Foil |
| Filler | yes |
| wire arrangement | black, white, (black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow) |
| Cable weighth | 269,5 g/m |
| Material jacket | PVC |
| Freedom from ingredients (jacket) | lead-free, CFC-free, silicone-free |
| Outer-diameter (jacket) | 12 mm |
| Tolerance outer diameter (sheath) | ± 5 % |
| Material wire insulation | TPM |
| Amount wires | 2 |
| Outer diameter insulation | 2,4 mm |
| Outer diameter tolerance core insulation | ± 5 % |

| | |
|--|--|
| Ingredient freeness wire insulation | lead-free, CFC-free, silicone-free |
| Amount strands (wire) | 30 |
| Diameter of single wires | 0,25 mm |
| Conductor crosssection (wire) | 1,5 mm ² |
| Material conductor wire | Stranded copper wire, bare |
| Conductor type (wire) | Strand class 5 |
| Material wire insulation (Power) | TPM |
| Outer diameter wire insulation (Power) | 3 mm |
| Tolerance outer diameter wire insulation (Power) | ±5 % |
| Ingredient freeness wire insulation (Power) | lead-free, CFC-free, silicone-free |
| Printing colour wire insulation (Power) | white (isolation black) |
| Amount strands wire (Power) | 50 |
| Diameter of single wires (Power) | 0,25 mm |
| Wire conductor cross section (Power) | 2,5 mm ² |
| Material conductor wire (Power) | Stranded copper wire, bare |
| Conductor type wire (Power) | Strand class 5 |
| Traversing distance (C-track) | 5 m @ 25 °C horizontal |
| Travel speed (C-track) | 4 |
| Max. rated voltage (conductor - conductor) | 1000 V |
| Max. rated voltage (conductor - ground) | 600 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 12,6 A |
| Electrical resistance line constant wire | 13,7 Ω/km @ 20 °C |
| Electrical resistance coating wire (Power) | 8 Ω/km @20 °C |
| Min. operating temperature (static) | -25 °C |
| Max. operating temperature (fixed) | 80 °C |
| Operating temperature min. (dynamic) | -5 °C |
| Operating temperature max. (dynamic) | 60 °C |
| Flame resistance | UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | DIN EN 60811-404 Good, application-related testing |
| Bending radius (fixed) | 5 x Outer diameter |
| Bending radius (dynamic) | 18 x Outer diameter |
| Travel speed (C-track) | 0,1 Mio. @ 25 °C |
| Torsion stress | ± 30 °/m |