

**PSEN cable M12-8sf M12-8sm, 1m**

**540346**



Connection cable, PUR, yellow RAL1003, suitable for drag chains, 8-pin, socket straight M12, on connector straight M12, A-coded, cable length: 1m

**Technical details**

| General data                    |                             |
|---------------------------------|-----------------------------|
| Approval:                       | CE, UKCA, cULus Listed      |
| Technical data                  |                             |
| Electrical data                 |                             |
| Rated current:                  | 2 A                         |
| Typ. conductor resistance K1:   | 78 Ohm/km                   |
| Specific contact resistance K1: | $\geq 1E+16 \text{ Ohm*cm}$ |
| Environmental data              |                             |
| Ambient temperature:            | -25 - 80 °C                 |
| Pollution degree clear.&creep.: | 3                           |
| Mechanical data                 |                             |
| Connector type 1:               | 8-pin M12 female connector  |
| Shape of connector type 1:      | straight                    |
| Coding of M12 connector 1:      | A coded                     |
| Connector type 2:               | 8-pin M12 male connector    |
| Shape of connector type 2:      | straight                    |
| Coding of M12 connector 2:      | A coded                     |
| Matl threaded ring conn 1:      | GD-Zn, Ni                   |
| Matl threaded ring conn 2:      | GD-Zn, Ni                   |
| Contact surfaces material 1:    | Ni, Au gal.                 |

|                                 |                             |
|---------------------------------|-----------------------------|
| Contact surfaces material 2:    | Ni, Au gal.                 |
| Seal material:                  | FPM                         |
| Material of pins:               | CuZn                        |
| Material of sockets:            | CuZn                        |
| Cable material K1:              | Cu                          |
| Insulation material cable K1:   | PP (9Y)                     |
| Cable type K1:                  | Li9Y11Y                     |
| Length cable:                   | 1 m                         |
| Colour cable insulation 1:      | Signal yellow RAL1003       |
| Housing colour:                 | Black                       |
| Material of cable insulation 1: | TPU / TPE-U                 |
| Trailing capability of cable 1: | yes                         |
| Bend radius (when laying) K1:   | 6 x Ø                       |
| Max. outside diameter cable K1: | 6.2 - 6.2 mm                |
| Conductor cross section:        | 0.25 - 0.25 mm <sup>2</sup> |
| Cable cross section AWG K1:     | 24                          |
| Stranding K1:                   | 8 cores round filler        |
| Shielding K1:                   | no                          |
| Number of conductors:           | 8                           |
| Approvals for cable K1:         | UL AWM-Style 20549          |
| Approvals for connector 1:      | UL 94                       |
| Approvals for connector 2:      | UL 94                       |
| Halogen-free:                   | yes                         |
| Oil resistance:                 | resistant                   |
| Flame resistance:               | cULus 20549                 |
| Housing material:               | TPU, UL94                   |
| Net weight:                     | 63 g                        |
| Gross weight:                   | 63 g                        |
| Environment                     |                             |

|                                |                                |
|--------------------------------|--------------------------------|
| RoHS directive:                | 2011/65/EU, 2015/863/EU        |
| RoHS conformity:               | yes                            |
| RoHS exceptions:               | yes                            |
| RoHS except.s acc. to direct.: | 6c                             |
| REACH compliance:              | contains min. 1 SVHC-substance |
| REACH included substances:     | Lead                           |
| %-part of the pollutant:       | > 0,1                          |
| CAS No.:                       | 7439-92-1                      |
| WEEE classification (08/2018): | 5 devices (feed size < 50cm)   |
| Commercial data                |                                |
| ECLASS version:                | ECLASS-9.1                     |
| ECLASS Reference Feature:      | 27060311                       |
| ETIM Version:                  | ETIM-7.0                       |
| ETIM Reference Group:          | EG000026                       |