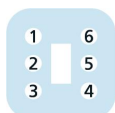
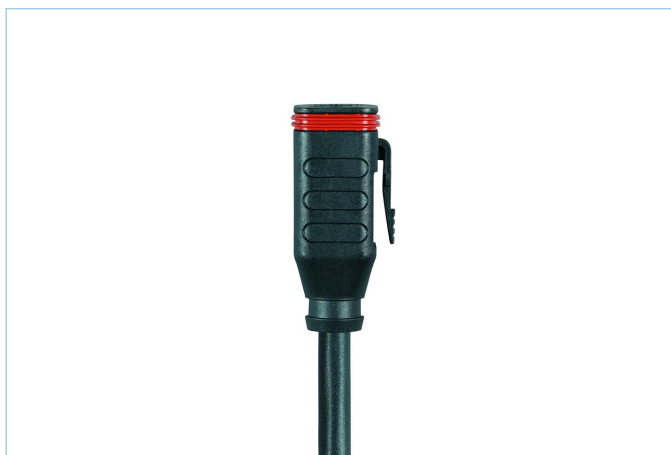
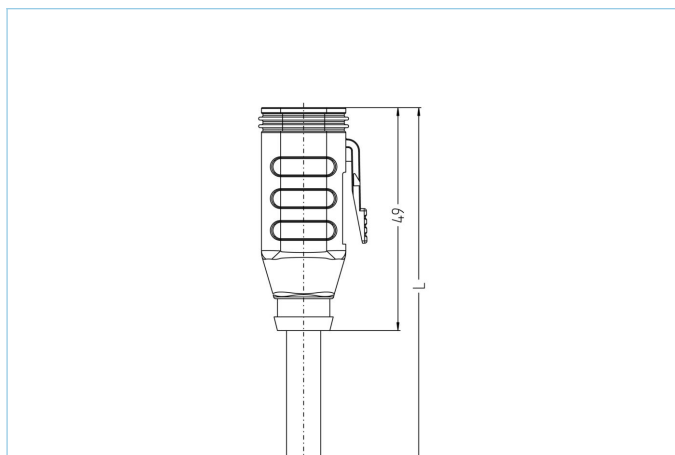


# DT, female, straight, 6 poles, DT, female, straight, 6 poles, Mobile Automation



## Product data

|                  |                              |
|------------------|------------------------------|
| Item description | MA-DT06-6S-2-MA-DT06-6S/S370 |
| Item-No.         | 8109218                      |
| Length           | 2m                           |
| EAN              | 4047106302863                |

| Technical data                 | A-side                             | B-side                             |
|--------------------------------|------------------------------------|------------------------------------|
| Connector                      | female, straight, DT               | female, straight, DT               |
| Number of pins                 | 6                                  | 6                                  |
| Pin assignment                 | 1 BN, 2 BU, 3 BK, 4 WH, 5 GY, 6 PK | 1 BN, 2 BU, 3 BK, 4 WH, 5 GY, 6 PK |
| Coding of                      | A                                  | A                                  |
| Rated voltage                  | 250V                               | 250V                               |
| Current load (at 40°C)         | 7.5A                               | 7.5A                               |
| Insulation resistance          | $\geq 10^9 \Omega$                 | $\geq 10^9 \Omega$                 |
| Ambient temperature product    | -40°C...+90°C                      | -40°C...+90°C                      |
| Contact material               | Metal, CuZn, nickel-plated         | Metal, CuZn, nickel-plated         |
| Contact-carrier material       | Plastic, TPU, BK                   | Plastic, TPU, BK                   |
| Grip body material             | Plastic, TPU, BK                   | Plastic, TPU, BK                   |
| Sealing (female) material      | silicone                           | silicone                           |
| Locking                        | Snap lock                          | Snap lock                          |
| Degree of protection (mounted) | IP67, IP68, IP69                   | IP67, IP68, IP69                   |
| Mechanical life-cycle          | >100 mating cycles                 | >100 mating cycles                 |
| Degree of pollution            | 3                                  | 3                                  |

## Cable PUR, UL, S370

Flexible, silicone- and halogen-free control line with high mechanical strength. The cable is chemicals, hydrolysis-, and microbes- resistant. The drag-chain application is possible at a bending radius of minimum 10 x d. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements.

|                                |                                                                                                                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket       | 7.30 mm                                                                                                                                                                                                                                                              |
| Cable-jacket material          | PUR                                                                                                                                                                                                                                                                  |
| Jacket color                   | BK, similar RAL9005                                                                                                                                                                                                                                                  |
| Wire cross-section             | 6 x 0.75 mm <sup>2</sup>                                                                                                                                                                                                                                             |
| Wire insulation material       | PP                                                                                                                                                                                                                                                                   |
| Wire colors                    | BN, BU, BK, WH, GY, PK                                                                                                                                                                                                                                               |
| Wire structure                 | 42 x 0,15 mm                                                                                                                                                                                                                                                         |
| Bending radius (fixed)         | 5 x Ø-cable                                                                                                                                                                                                                                                          |
| Bending radius (repeated)      | 10 x Ø-cable                                                                                                                                                                                                                                                         |
| Temperature range (repeated)   | -30°C...+90°C                                                                                                                                                                                                                                                        |
| Temperature range (fixed)      | -40°C...+90°C                                                                                                                                                                                                                                                        |
| Temperature range (drag chain) | -25°C...+60°C                                                                                                                                                                                                                                                        |
| Drag chain-application         | 2 Mio. cycles                                                                                                                                                                                                                                                        |
| Halogen-free                   | Yes                                                                                                                                                                                                                                                                  |
| Torsion                        | +/-180°/m, ≥ 500.000 cycles                                                                                                                                                                                                                                          |
| Rated voltage cable            | ≤300 V                                                                                                                                                                                                                                                               |
| Special features               | flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant, hydrolysis proof, drag chain-adapted, torsion resistant, welding sparks resistant, halogen free, silicone free, oil resistant |

## Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| ETIM 5.0   | EC001855 |
| ETIM 6.0   | EC001855 |

## Accessories

Marking rings Ø 9mm

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809>

## Link to product

<https://www.escha.net/en/products/standard/deutsch-dt-connectors/8109218>