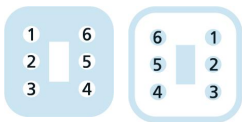
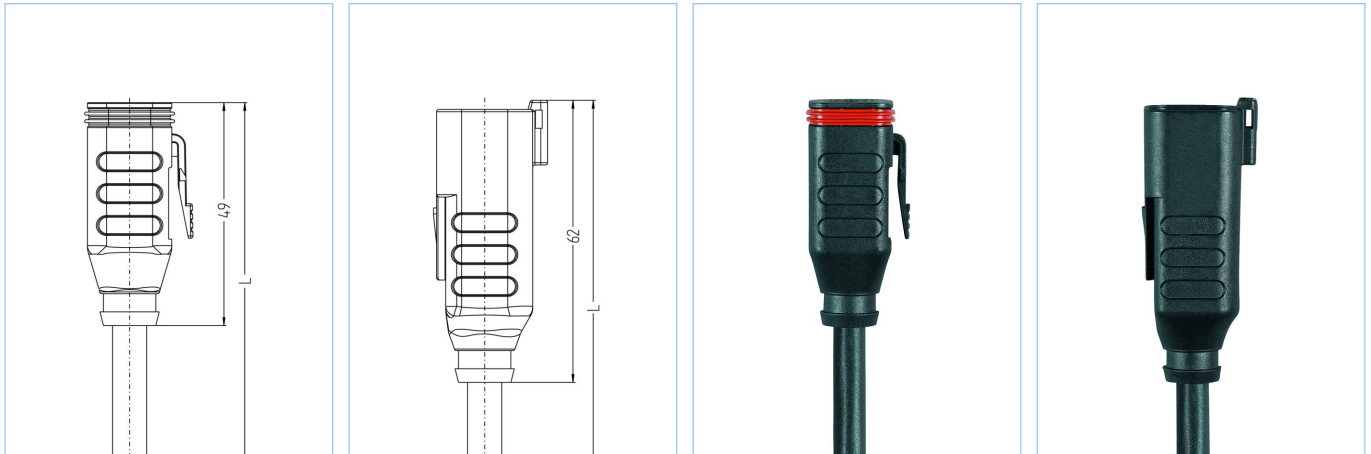


DT, female, straight, 6 poles, DT, male, straight, 6 poles, Mobile Automation



Product data

Item description	MA-DT06-6S-2-MA-DT04-6P/S370
Item-No.	8109209
Length	2m
Customs tariff-No.	85444290
EAN	4047106302801

Technical data	A-side	B-side
Connector	female, straight, DT	male, 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	
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
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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 ²
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/8109209>