

MDC06-6s with cable

PUR 6x0.75 bk UL/CSA+drag ch. 3m

Art.No.: 7072-72221-5720300

Weight: 0.283 kg

Country of origin: DE

Model designation: MSTDL0-6p2_572_3.0-S72

Xtreme - Outdoor

Male straight

6...230 V AC/DC

6-pole

without components

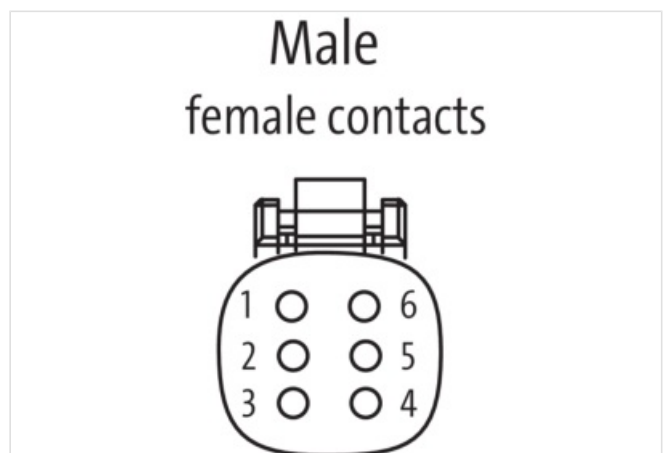
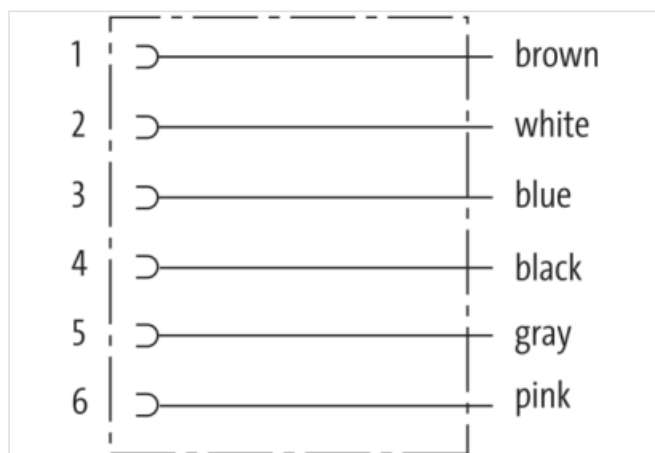
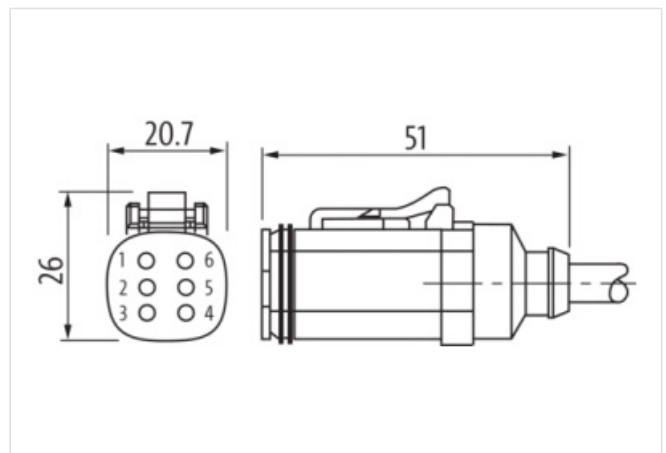
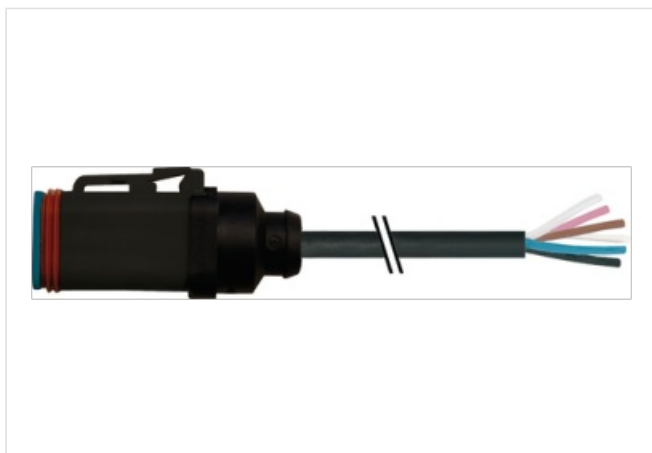
Compatible with:

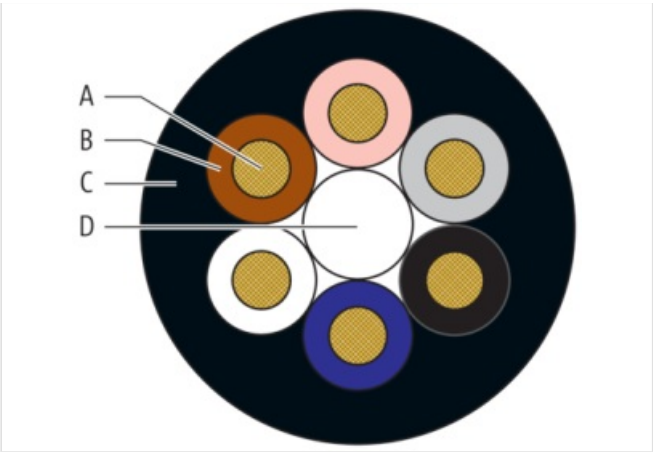
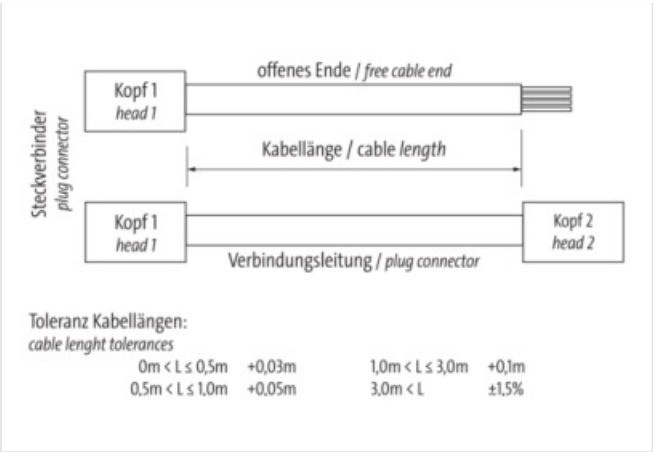
Deutsch DT06-6S

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.

Further cable lengths on request.

[Link to Product](#)**Illustration**



Product may differ from Image



Header	
Material short text	MSTDL0-6p2_572_3.0-S72
Cable length	3,00 m
Side 1	
Family construction form	MDC
No. of poles	6
Mounting method	inserted
suitable for corrugated tube (internal Ø)	10 mm
Material contact	Copper alloy
Coating contact	nickel plated
Side 2	
Stripping length (jacket)	60 mm
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7072-72221-5720300
GTIN	4048879692915
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218

ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060312
ECLASS-9.1	27060312
ECLASS-10.0.1	27060312
ECLASS-10.1	27060312
ECLASS-11.0	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ECLASS-13.0	27060312
ECLASS-14.0	27060312
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879692915
Packaging unit	1
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Electrical data | Supply

Operating voltage AC min.	6 V
Operating voltage AC max.	230 V
Operating voltage DC min.	6 V
Operating voltage DC max.	230 V
Current operating per contact max.	6 A

Diagnostics

Status indication LED	No
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Installation | Connection

Family construction form	Amphenol AT06-6S
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Device protection | Electrical

Degree of protection (ISO 20653:2013)	IP69K, IP68, IP66K
Pollution Degree	2
Additional suppressor	without components
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	III

Mechanical data | Material data

Material housing	PA
Material gasket	Silicon

Mechanical data | Mounting data

Looking techniques	Snap-in connector
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality

Important installation notes

Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Installation Cable	
Cable identification	572
Cable Type	3
Amount stranding	1
Stranding	6 wires around core filler twisted
Filler	Yes
Wire arrangement	brown, pink, gray, black, blue, white
Cable weight	81 g/m
Material wire insulation	PP
Amount wires	6
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	± 0,1 mm
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Shore hardness wire insulation (type 2)	70 ± 5 Shore D
Outer-diameter (jacket)	7,3 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Conductor resistance (wire)	26 Ω/km @ 20 °C
Nominal voltage max.	300 V
Withstand voltage (wire - wire)	2.5 kV @ 60 s
Withstand voltage (wire - jacket)	2.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	8,4 A
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (drag chain)	-25 °C
Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	10 m/s² @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m

Torsion speed

35 cycles/min