

M12 male 0° / M12 female 0°

PUR 5x0.5 gy drag ch. 20m

Male straight – female straight

M12 – M12, 5-pole

with cable sleeves

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**

1	1 black (+)	c 1
2	2 black (N/C)	c 2
4	4 black (N/O)	c 4
3	3 black (-)	c 3
5	gn/ye	c 5

Male



Female



Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form 40041

Technical Data

Operating voltage max. 125 V AC/DC

Operating voltage (only UL listed) max. 30 V AC/DC

Rated surge voltage	1.5 kV
Operating current per contact	max. 4 A
Material group	IEC 60664-1, category I
No. of poles	5
Coding	A-coded
LED display	no
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP67 inserted and tightened (EN 60529)
Locking material	Zinc die casting, nickel-plated
Material	PUR

General data

Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

Cables

Cable number	437
No./diameter of wires	5× 0.5 mm ²
Wire isolation	PP (bk num, gnye)
C-track properties	2 Mio.
Jacket Color	gray
Material (jacket)	PUR
Outer Ø	6.2 mm ±5%
Bend radius (moving)	15× outer Ø
Temperature range (fixed)	-40...+90 °C
Temperature range (mobile)	-5...+90 °C
Cable identification	437
Approval (cable)	CE
Cable weight [g/m]	57,20
Material (wire)	Cu wire, bare
Resistor (core)	max. 39 Ω/km (20 °C)
Single wire Ø (core)	0.15 mm
Construction (core)	28× 0.15 mm (multi-strand wire class 6)
Diameter (core)	5× 0.5 mm ²
AWG	similar to AWG 20
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	90 ±5 A
Wire-Ø incl. isolation	1.7 mm ±5%
Color/numbering of wires	bk numbered, gnye longitudinally striped
Stranding combination	5 wires twisted around central filler
Shield	no
Material (jacket)	PUR
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Shore hardness (jacket)	85 ±5 A
Outer-Ø (jacket)	6.2 mm ±5%
Color (jacket)	gray
Nominal voltage	300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+90 °C
Temperature range (mobile)	-5...+90 °C
Bend radius (fixed)	10× outer Ø

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Bend radius (moving)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Traversing distance (C-track)	max. 2 m
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s ²

Commercial data

country of origin	CZ
customs tariff number	85444290
EAN	4048879084307
eClass	27279218
Packaging unit	1