

**M23 female 90° with cable**

PUR 16x0.5+3x1.0 gy UL/CSA+drag chain 30m

Female 90°

M23, 19-pole

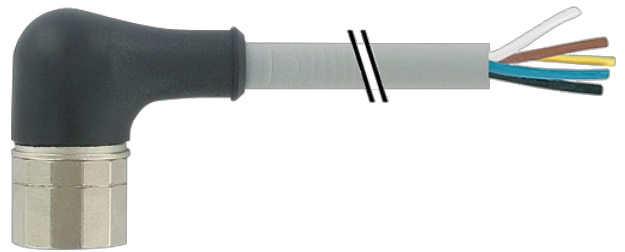
19-pole used

for 8-way distribution boxes, 5-pole

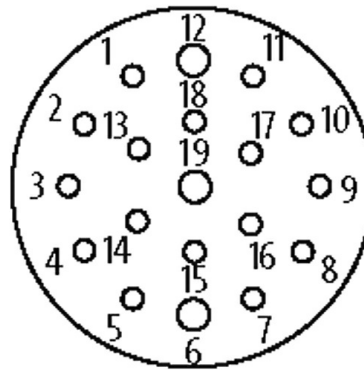
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

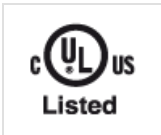
The resistance to aggressive media should be individually tested for your application. Further details on request.

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

Female



Product may differ from Image

**Approvals****Form**

Form 23351

**General data**

Pollution Degree 3

Temperature range -5...+70 °C, depending on cable quality

**Cables**

Cable number 452

No./diameter of wires	16× 0.5 + 3× 1.0 mm <sup>2</sup>
Wire isolation	TPE (grpk, wh, rdbl, gn, whgn, ye, brgn, gr, whye, pk, yebr, rd, whgr, bk, grbr, vi, br, bl, gnye)
C-track properties	5 Mio.
Jacket Color	gray
Material (jacket)	PUR (UL/CSA)
Outer Ø	11.5 mm ±5%
Bend radius (moving)	10× outer Ø
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-5...+80 °C
Cable identification	452
Approval (cable)	UL (AWM-Style 20233), CSA
Cable weight [g/m]	231,0
Material (wire)	Cu wire, bare
Resistor (core)	max. 39 Ω/km (0.5 mm <sup>2</sup> ); max. 20 Ω/km (1.0 mm <sup>2</sup> ); (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	64× 0.1 mm (0.5 mm <sup>2</sup> ), 128× 0.1 mm (1.0 mm <sup>2</sup> ); (multi-strand wire class 6)
Diameter (core)	16× 0.5 + 3× 1.0 mm <sup>2</sup>
AWG	similar to AWG 20 (0.5 mm <sup>2</sup> ); similar to AWG 17 (1.0 mm <sup>2</sup> )
Material (wire isolation)	TPE-E
Shore hardness (wire isolation)	55 ±3 D
Wire-Ø incl. isolation	1.6 mm ±5% (0.5 mm <sup>2</sup> ); 2.1 mm ±5% (1.0 mm <sup>2</sup> )
Material (jacket)	PUR
Outer-Ø (jacket)	11.6 mm ±5%
Color (jacket)	gray
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	300/300 V AC
Test voltage	2000 V AC
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 5 Mio.
Travel speed (C-track)	max. 2 m/s

#### Technical Data

Operating voltage	max. 125 V AC/DC
Rated surge voltage	2.5 kV
Operating current per contact	max. 7.5 A
Material group	IEC 60664-1, category I
Locking of ports	Screw thread (M23×1 mm) recommended torque 2.0 Nm, self-securing
Compression gland	M23 (SW27)
Protection	IP67 inserted and tightened (EN 60529)
Locking material	Brass, nickel plated
Material	PUR

suitable for corrugated tube (internal Ø)	16 mm
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#### Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879187794
eClass	27279218
Packaging unit	1

#### Sketch

15	▷	white
7	▷	gray/pink
	▷	green
5	▷	red/blue
4	▷	yellow
16	▷	white/green
8	▷	gray
3	▷	brown/green
14	▷	pink
17	▷	white/yellow
9	▷	red
2	▷	yellow/brown
13	▷	black
11	▷	white/gray
10	▷	violet
1	▷	gray/brown
18	▷	brown 1.0mm <sup>2</sup>
19	▷	blue 1.0mm <sup>2</sup>
6	▷	green 1.0mm <sup>2</sup>
12	▷	green/yellow 1.0mm <sup>2</sup>

Product may differ from Image