MURR ELEKTRONIK
stay connected

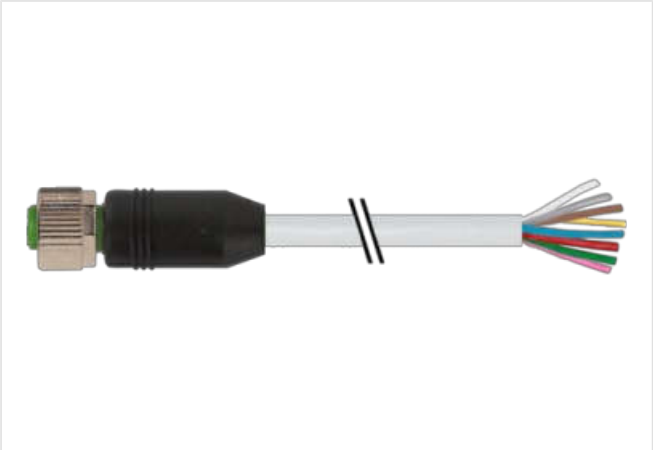
M12 female 0° A-cod. with cable

PUR 8x0.25 gy UL/CSA+drag ch. 20m

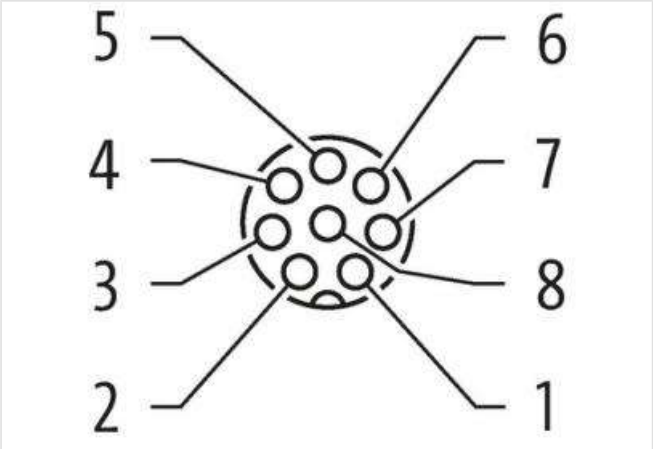
Female straight
M12, 8-pole
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request
with cable sleeves
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.

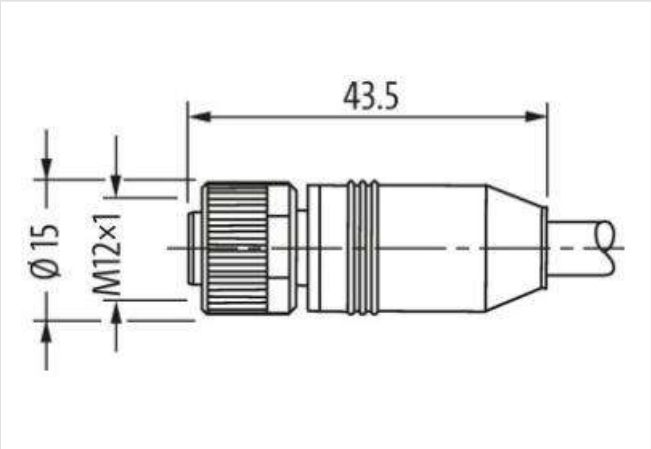
Link to Product

Illustration









Product may differ from Image

Cable length	20 m

Side 1

Tightening torque	0,6 Nm

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Mounting method	inserted, screwed
Family construction form	M12
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879196369
Packaging unit	1
Electrical data | Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Installation | Connection	
Mounting set	M12 x 1
Device protection | Electrical	
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data | Material data	
Coating of fitting	nickel plated
Material screw connection	Zinc die-casting
Environmental characteristics | Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Cable	
No./diameter of wires	8× 0.25 mm²
Wire isolation	PP (wh, br, gn, ye, gr, pk, bl, rd)
C-track properties	10 Mio.
Outer Ø	5.8 mm ±5%
Cable identification	292
Cable Type	3 (PUR)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	52,8 g
Material wire	Cu wire, bare
Resistor (core)	max. 79 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	32× 0.1 mm (multi-strand wire class 6)
Diameter (core)	8× 0.25 mm²
AWG	similar to AWG 24
Material wire isolation	PP
Material property wire insulation	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness wire isolation	70 ±5 D
Wire-Ø incl. isolation	1.2 mm ±5%

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Color/numbering of wires	br, wh, rd, bl, pk, gr, ye, gn
Stranding combination	8 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	90 ±5 A
Outer-Ø (jacket)	5.8 mm ±5%
Color jacket	gray
Jacket Color	gray
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame-retardant according to UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2
Nominal voltage	300 V AC
Test voltage	2500 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+80 °C
Temperature range (fixed)	-40...+80 °C, (+90 °C at max. 10 000 operating hours)
Temperature range (mobile)	-25...+80 °C
Temperature range (mobile)	-25...+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Travel speed (C-track)	max. 3 m/s
Acceleration (C-track)	max. 10 m/s²
Torsion stress	±180°/m
No. of torsion cycles	max. 2 Mio. (25 °C)
Torsion speed	35 cycles/min
Material jacket	PUR (UL/CSA)

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