

M12 male 0° / M12 female 0° A-cod. shielded

PUR 8x0.25 shielded gy UL/CSA+drag ch. 3m

Male straight – female straight

M12 – M12, 8-pole

shielded

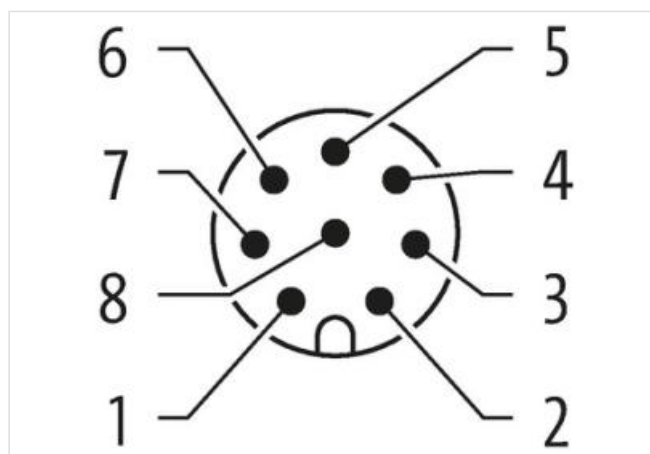
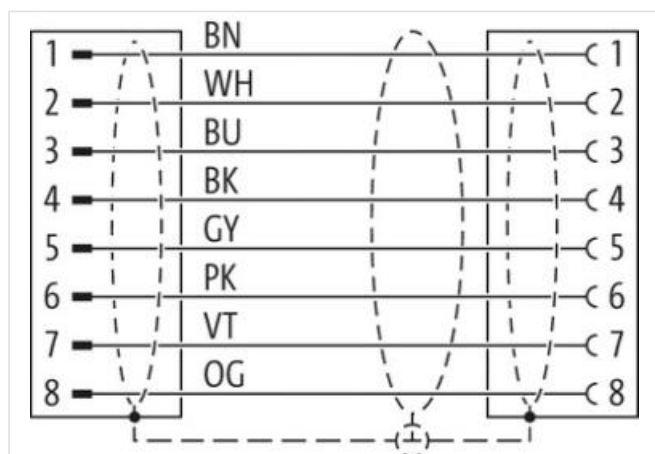
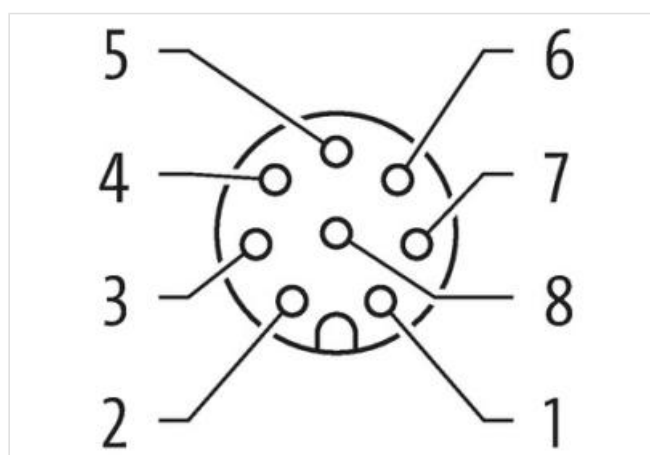
Plastic housings with good resistance against chemicals and oils.

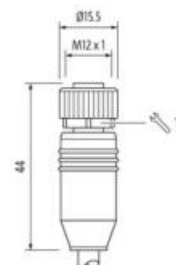
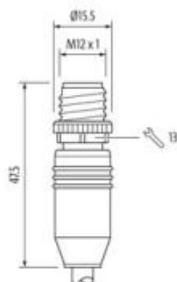
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

Länk till produkt

Illustration





Produkten kan skilja sig från bilden



Cable length 3 m

Side 1

Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
Width across flats	SW13

Side 2

Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A

Kommersiella uppgifter

ECLASS-6.0	27279218
ECLASS-6.1	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
Förpackningsenhet	1
GTIN	4048879139137
Kundens tullnummer	85444290

Electrical data | Supply

Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	2 A

Device protection | Electrical

Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
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Additional condition protection degree	inserted, screwed
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Rated surge voltage	0,8 kV
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Material group (IEC 60664-1)	I
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Mechanical data | Material data

Coating locking	Nickeled
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Locking material	Zinc die-casting
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Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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Environmental characteristics | Climatic

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

Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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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.
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Conformity

Product standard	DIN EN 61076-2-101 (M12)
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Installation | Cable

Cable identification	294
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Cable Type	3
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Jacket Color	gray
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Type of Certificate	cURus
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Amount stranding	1
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Stranding	8 wires around Core filler twisted
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Cable shielding (type)	copper braid, tinned
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Cable shielding (coverage)	80 %
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Banding	Fleece, Foil
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Filler	yes
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wire arrangement	brown, orange, violet, pink, gray, black, blue, white
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Traversing distance (C-track)	5 m @ 25 °C horizontal
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Cable weight	74,8 g/m
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Material jacket	PUR
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Shore hardness jacket	90 ± 5 Shore A
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Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Outer-diameter (jacket)	7 mm
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Tolerance outer diameter (sheath)	± 5 %
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Material wire insulation	PP
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Amount wires	8
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Outer diameter insulation	1,2 mm
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Outer diameter tolerance core insulation	± 5 %
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Shore hardness wire insulation	70 ± 5 Shore D
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Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Amount strands (wire)	32
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Diameter of single wires	0,1 mm
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Conductor crosssection (wire)	0,25 mm²
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Material conductor wire	Stranded copper wire, bare
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Conductor type (wire)	strand class 6
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Nominal voltage AC max.	300 V
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Current load capacity (standard)	to DIN VDE 0298-4
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Current load capacity min. wire	3 A
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Electrical resistance line constant wire	79 Ω /km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min