

M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 gy UL/CSA+drag ch. 1.6m

Male straight – female straight

M12 - M12, 8-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

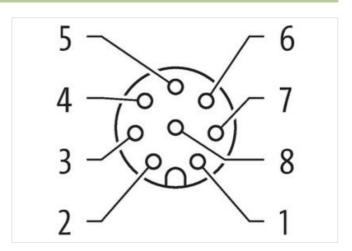
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

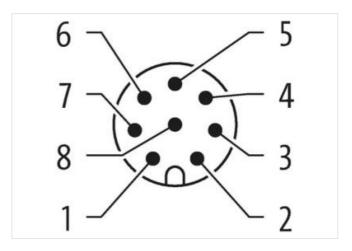
Link to Product

Illustration



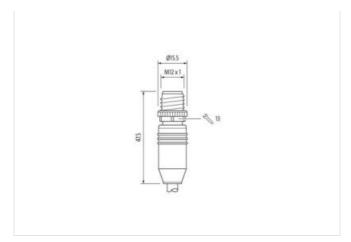


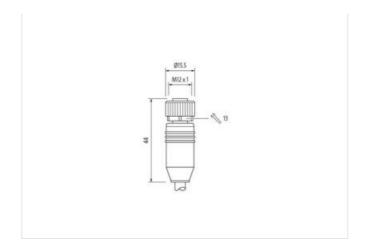






stay connected





Product may differ from Image





Cable length	1,6 m
Side 1	
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Material contact	Copper alloy
No. of poles	8
Side 2	
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Material contact	Copper alloy
No. of poles	8
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	4048879728249
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Device protection Electrical	
Pollution Degree	3
Rated surge voltage	0,8 kV



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perating temperature min.	-25 °C
perating temperature max.	85 °C
dditional condition temperature range	depending on cable quality
, ,	asponanty on subject quality
mportant installation notes	
ote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
ote on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
nstallation Cable	
ire arrangement	brown, orange, violet, pink, gray, black, blue, white
able identification	295
able Type	3
acket Color	gray
pe of Certificate	cURus
mount stranding	1
tranding	8 wires around Core filler twisted
ller	yes
ire arrangement	brown, orange, violet, pink, gray, black, blue, white
able weigth	55 g/m
aterial jacket	PUR
nore hardness jacket	90 ± 5 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
uter-diameter (jacket)	5,8 mm
olerance outer diameter (sheath)	± 5 %
aterial wire insulation	PP
mount wires	8
uter diameter insulation	1.2 mm
uter diameter tolerance core insulation	± 5 %
hore hardness wire insulation	70 ± 5 Shore D
gredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
nount strands (wire)	32
iameter of single wires	0,1 mm
onductor crosssection (wire)	0.25 mm ²
aterial conductor wire	Stranded copper wire, bare
onductor type (wire)	strand class 6
ominal voltage AC max.	300 V
urrent load capacity (standard)	to DIN VDE 0298-4
urrent load capacity min. wire	3 A
ectrical resistance line constant wire	79 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2,5 kV @ 60 s
ower frequency withstand voltage (wire - cket)	2,5 kV @ 60 s
in. operating temperature (static)	-40 °C
ax. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
perating temperature min. (dynamic)	-25 °C
perating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
ame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
nemical resistance	Good, application-related testing
asoline resistance	Good, application-related testing
il resistance	······································
	Good, application-related testing DIN EN 60811-404
ending radius (fixed)	5 x Outer diameter
ending radius (dynamic)	10 x Outer diameter
o. of bending cycles (C-track)	10 Mio. @ 25 °C



Travel speed (C-track)	3 m/s @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	