

M12 female 0° A-cod. with cable

PUR 5x0.34 bk UL/CSA+drag ch. 1m

Female straight M12, 5-pole A-coded

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

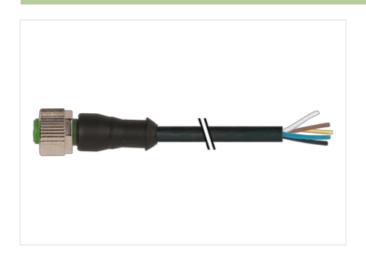
Plastic housings with good resistance against chemicals and oils.

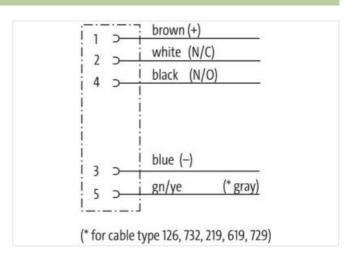
The resistance to aggressive media should be individually tested for your application. Further details on request.

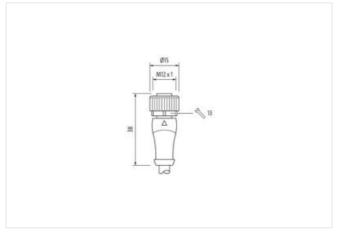
Further cable lengths on request.

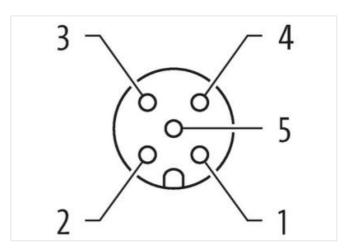
Link to Product

Illustration









Product may differ from Image













Cable length

1 m

Side 1

Tightening torque

0,6 Nm



stay connected

Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
	07070040
ECLASS-6.0	27279218
ECLASS-6.1 ECLASS-7.0	27279218
	27279218
ECLASS-8.0	27279218
ECLASS-9.0 ECLASS-10.1	27060311 27060311
ECLASS-10.1	
ECLASS-11.1 ECLASS-12.0	2700011
ETIM-5.0	27060311 EC001855
customs tariff number	
GTIN	85444290 4048879210928
Packaging unit	1
	'
Electrical data Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
	,



stay connected

Environmental characteristics Climatic	
perating temperature min.	-25 °C
perating temperature max.	85 °C
dditional condition temperature range	depending on cable 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.
Conformity	
roduct standard	DIN EN 61076-2-101 (M12)
nstallation Cable	
·	COE
able identification	635 3
able Type	
acket Color	black
ype of Certificate	cURus 1
mount stranding	
tranding iller	5 wires around Core filler twisted
	yes
ire arrangement	brown, black, blue, white, green-yellow
able weigth	41,8 g/m
laterial jacket	PUR
hore hardness jacket	90 ± 5 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
uter-diameter (jacket)	4,8 mm
olerance outer diameter (sheath)	±5%
laterial wire insulation	PP
mount wires	5
uter diameter insulation	1,25 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
mount strands (wire)	42
iameter of single wires	0,1 mm
onductor crosssection (wire)	0,34 mm²
laterial conductor wire	Stranded copper wire, bare
onductor type (wire)	strand class 6
raversing distance (C-track)	10 m @ 25 °C horizontal
ominal voltage AC max.	300 V
urrent load capacity (standard)	to DIN VDE 0298-4
urrent load capacity min. wire	4,5 A
lectrical resistance line constant wire	57 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
lin. operating temperature (static)	-40 °C
lax. 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
V resistance	DIN EN ISO 4892-2 A
lame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
nemical resistance	Good, application-related testing
asoline resistance	Good, application-related testing



Bending radius (fixed)	5 x Outer diameter	
Bending radius (dynamic)	10 x Outer diameter	
Travel speed (C-track)	10 Mio. @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	