

M12 male 0° / M12 female 0° A-cod.

PUR 5x0.34 gy UL/CSA+drag ch. 2m

Male straight – female straight M12 – M12, 5-pole

A-coded

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

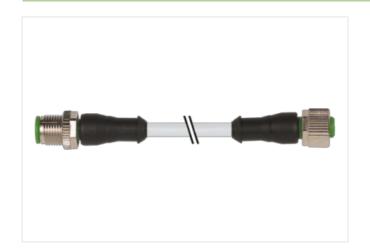
Plastic housings with good resistance against chemicals and oils.

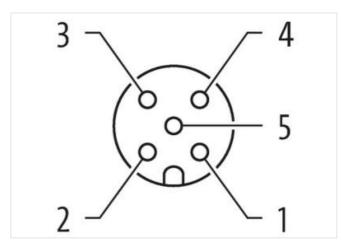
The resistance to aggressive media should be individually tested for your application. Further details on request.

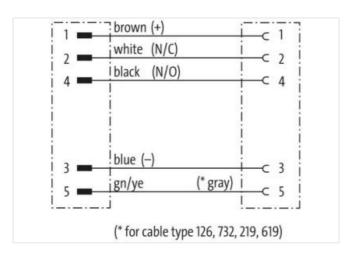
Further cable lengths on request.

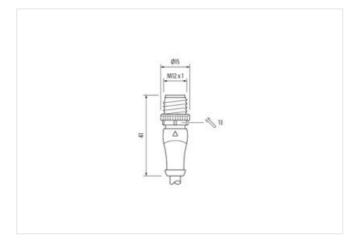
Link to Product

Illustration



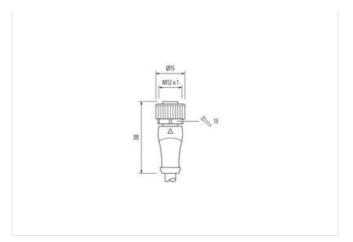


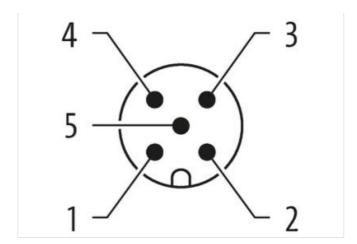






stay connected





Product may differ from Image













Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311



stay connected

ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879182195
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
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	WILE A I
	IDOS IDOS IDOSIA
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree Rated surge voltage	3 1.5 kV
Material group (IEC 60664-1)	1,5 KV
	1
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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.
Conformity	
Conformity Product standard	
Product standard	endangered by excessive bending forces.
Product standard Installation Cable	endangered by excessive bending forces. DIN EN 61076-2-101 (M12)
Product standard Installation Cable Cable identification	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235
Product standard Installation Cable Cable identification Cable Type	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235 3
Product standard Installation Cable Cable identification Cable Type Jacket Color	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235
Product standard Installation Cable Cable identification Cable Type	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235 3 gray
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235 3 gray cURus
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235 3 gray cURus 1
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235 3 gray cURus 1 5 wires around Core filler twisted
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235 3 gray cURus 1 5 wires around Core filler twisted yes
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235 3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235 3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 41,8 g/m
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket	endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 235 3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 41,8 g/m PUR

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-17

Torsion speed



Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 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	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m

35 cycles/min