

M12 male 0° / M12 female 90° A-cod. shielded

PUR 5x0.34 shielded gy 5.5m

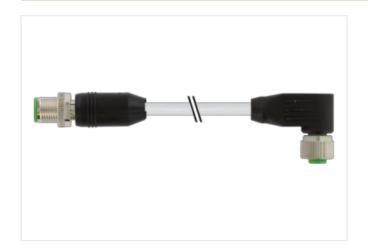
Male straight – female 90° M12 – M12, 5-pole shielded

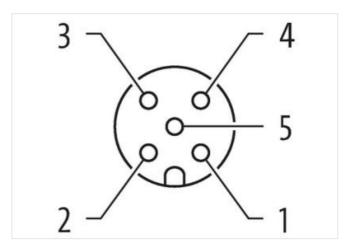
Plastic housings with good resistance against chemicals and oils.

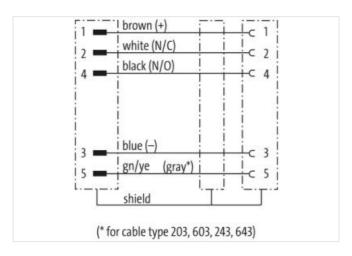
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

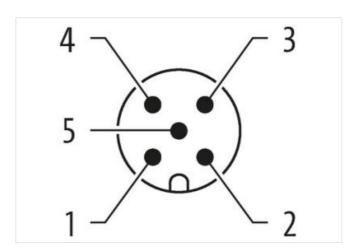
Link to Product

Illustration



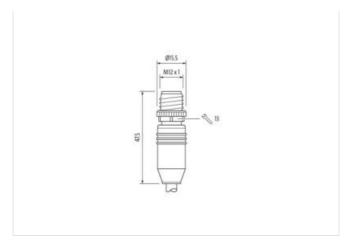


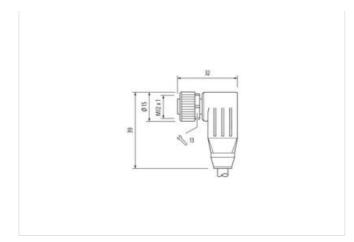






stay connected





Product may differ from Image











Cable length	5,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
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	4048879561303
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V



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Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Installation Connection	
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)	l
Mechanical data	
Contour for corrugated hose	without
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
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
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Note an atrain relief	District the connectors by suitable macrouse from machinical leads on the the upage of cable ties
Note on strain relief Note on bending radius	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be and appeared by expressive bending forces.
Note on bending radius	<u> </u>
Note on bending radius Installation Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on bending radius Installation Cable wire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow
Note on bending radius Installation Cable wire arrangement Cable identification	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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Note on bending radius Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned
Note on bending radius Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 %
Note on bending radius Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil
Note on bending radius Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes
Note on bending radius Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes brown, black, blue, white, green-yellow
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Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes brown, black, blue, white, green-yellow 59,4 g/m PUR
Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes brown, black, blue, white, green-yellow 59,4 g/m PUR 85 ± 5 Shore A
Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes brown, black, blue, white, green-yellow 59,4 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free
Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes brown, black, blue, white, green-yellow 59,4 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 5,9 mm
Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes brown, black, blue, white, green-yellow 59,4 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 5,9 mm ± 5 %
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Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation Amount wires Outer diameter insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes brown, black, blue, white, green-yellow 59,4 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 5,9 mm ± 5 % PVC gray PVC 5 1,45 mm
Installation Cable wire arrangement Cable identification Jacket Color Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation Amount wires	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. brown, black, blue, white, green-yellow 349 gray 1 5 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes brown, black, blue, white, green-yellow 59,4 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 5,9 mm ± 5 % PVC gray PVC 5



Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-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
Max. rated voltage (conductor - conductor)	350 V
Max. rated voltage (conductor - ground)	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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	70 °C
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	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	0,1 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3 m/s @ 25 °C