

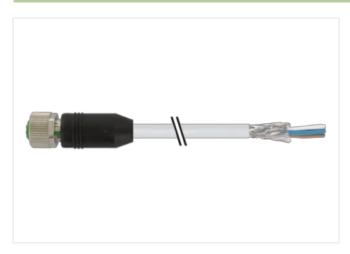
## M12 female 0° A-cod. with cable shielded

PUR 4x2x0.25 shielded gy 25m

Female straight M12, 8-pole shielded with cable sleeves 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.

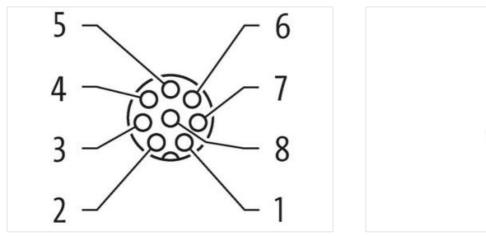
## Link to Product

Illustration



i	BN	
11	GN	
1	YE	
	GY	
1	PK	
1 1	BU	
11	RD	

N B



Product may differ from Image



Cable length

Side 1

Tightening torque

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25 m

0,6 Nm

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Mounting method	inserted, screwed	
Coating contact	gold plated	
Family construction form	M12	
Thread	M12 x 1	
Material contact	Copper alloy	
Material	PUR	
No. of poles	8	
Width across flats	SW13	
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
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	4048879456746	
Packaging unit	1	
Electrical data   Supply		
Operating voltage AC max.	30 V	
Operating voltage DC max.	30 V	
Current operating per contact max.	2 A	
Installation   Connection		
Mounting set	M12 x 1	
Device protection   Electrical		
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	0,8 kV	
Material group (IEC 60664-1)	I	
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		
•	Distant the connectors by quitable measures from mechanical leads on a by the years of cable tice	
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	
	endangered by excessive bending forces.	
Conformity		
Product standard	DIN EN 61076-2-101 (M12)	
Installation   Cable		

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wire arrangement

(brown, white), (red, blue), (pink, gray), (yellow, green)

Cable identification	286	
Jacket Color	gray	
Amount stranding	4	
Stranding	2 wires twisted	
Amount stranding (type 2)	1	
Stranding (type 2)	4 Stranded joints twisted	
Cable shielding (type)	copper braid, tinned	
Cable shielding (coverage)	85 %	
Banding	Fleece, Foil	
wire arrangement	(brown, white), (red, blue), (pink, gray), (yellow, green)	
Cable weigth	74,8 g/m	
Material jacket	TPU	
Shore hardness jacket	85 ± 5 Shore A	
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free	
Outer-diameter (jacket)	7,1 mm	
Tolerance outer diameter (sheath)	±5%	
Material wire insulation	PP	
Amount wires	8	
Outer diameter insulation	1,2 mm	
Outer diameter tolerance core insulation	±5%	
Shore hardness wire insulation	65 ± 5 Shore D	
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Amount strands (wire)	32	
Diameter of single wires	0,1 mm	
Conductor crosssection (wire)	0,25 mm <sup>2</sup>	
Material conductor wire	Stranded copper wire, bare	
Conductor type (wire)	strand class 6	
Nominal voltage AC max.	300 V	
Current load capacity (standard)	to DIN VDE 0298-4	
Current load capacity min. wire	3 A	
Electrical resistance line constant wire	79 Ω/km @ 20 °C	
AC withstand voltage (wire - wire)	1,5 kV @ 60 s	
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s	
AC withstand voltage (wire - shield)	1,5 kV @ 60 s	
Min. operating temperature (static)	-40 °C	
Max. operating temperature (fixed)	90 °C	
Operating temperature min. (dynamic)	-5 °C	
Operating temperature max. (dynamic)	90 °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	Good, application-related testing   DIN EN 60811-404	
Bending radius (installation)	x Outer diameter	
Bending radius (fixed)	7,5 x Outer diameter	
Bending radius (dynamic)	15 x Outer diameter	

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