

## M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 gy UL/CSA+drag ch. 12m

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.

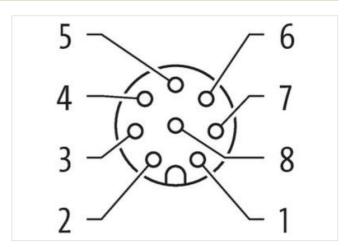
The resistance to aggressive media should be individually tested for your application. Further details on request.

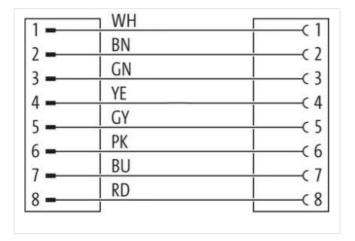
Further cable lengths on request.

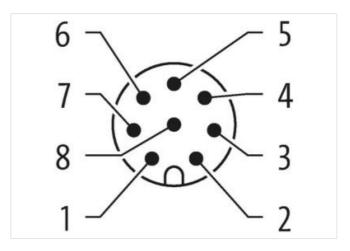
## **Link to Product**

## Illustration



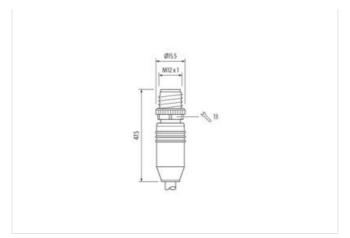


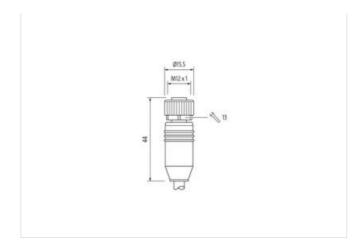






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Product may differ from Image





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 9.0         27279218           ECLASS 9.0         27279218           ECLASS 9.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0         27060311 </th <th>Cable length</th> <th>12 m</th>	Cable length	12 m
Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Side 2         Wounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Commercial data         Copper alloy           ECLASS-6.0         27279218           ECLASS-6.1         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           ECLASS-12.0         E001855           customs tariff number         85444290           GTIN         404879598934           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Device protection   Electrical	Side 1	
Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Side 2           Mounting method           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-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         4048879598934           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V	Mounting method	inserted, screwed
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-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27080311           ECLASS-10.1         4048879598934           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V	Coating contact	gold plated
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-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECTIN-5.0         EC001855           customs tariff number         85444290           GTIN         4048879598934           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V	Family construction form	M12
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-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECIMS-15.0         EC001855           customs tariff number         85444290           GTIN         4048879598934           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V           Device protection   Electrical		Copper alloy
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-6.1         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-11.2         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879598934           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V	No. of poles	8
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Family construction form         M12           Material contact         Copper alloy           No. of poles         8           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           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879598934           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V	Mounting method	inserted, screwed
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No. of poles   8		M12
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         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879598934         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       30 V         Operating voltage DC max.       30 V         Device protection   Electrical		Copper alloy
ECLASS-6.0 27279218  ECLASS-6.1 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 4048879598934  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Device protection   Electrical	No. of poles	8
ECLASS-6.1 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 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879598934 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 30 V  Device protection   Electrical	Commercial data	
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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 4048879598934  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Device protection   Electrical	ECLASS-6.1	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 4048879598934  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Device protection   Electrical	ECLASS-7.0	27279218
ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879598934  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Device protection   Electrical	ECLASS-8.0	27279218
ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879598934  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Device protection   Electrical		
ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879598934  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Device protection   Electrical		
ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879598934  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Device protection   Electrical		
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Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Device protection   Electrical		
Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Device protection   Electrical	-	
Operating voltage AC max. 30 V Operating voltage DC max. 30 V  Device protection   Electrical	Packaging unit	1
Operating voltage DC max. 30 V  Device protection   Electrical	Electrical data   Supply	
Device protection   Electrical	Operating voltage AC max.	30 V
	Operating voltage DC max.	30 V
Pollution Degree 3	Device protection   Electrical	
	Pollution Degree	3



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Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
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.
Installation   Cable	changered by excessive bending forces.
Cable identification	292
Cable Type	3
Jacket Color	
	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	8 wires around Core filler twisted
Filler	yes
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable weigth	52,8 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,8 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	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strangs (wire)	32
Diameter of single wires	0,1 mm
Diameter of single wires	0,1 mm 0,25 mm <sup>2</sup>
Diameter of single wires Conductor crosssection (wire)	
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire	0,25 mm <sup>2</sup>
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)	0,25 mm² Stranded copper wire, bare
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)	0,25 mm <sup>2</sup> Stranded copper wire, bare strand class 6
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.	0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C   horizontal
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)	0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C   horizontal 300 V
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire	0,25 mm² Stranded copper wire, bare strand class 6  10 m @ 25 °C   horizontal 300 V to DIN VDE 0298-4
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire	0,25 mm² Stranded copper wire, bare strand class 6  10 m @ 25 °C   horizontal  300 V to DIN VDE 0298-4  3 A
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire -	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)	0,25 mm² Stranded copper wire, bare strand class 6  10 m @ 25 °C   horizontal 300 V  to DIN VDE 0298-4 3 A  79 Ω/km @ 20 °C 2,5 kV @ 60 s
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)	0,25 mm² Stranded copper wire, bare strand class 6  10 m @ 25 °C   horizontal 300 V  to DIN VDE 0298-4 3 A  79 Ω/km @ 20 °C 2,5 kV @ 60 s  2,5 kV @ 60 s
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)	0,25 mm² Stranded copper wire, bare strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)	0,25 mm² Stranded copper wire, bare strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C  80 °C / 90 °C @ 10000 h Operation
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C  80 °C / 90 °C @ 10000 h Operation  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C  80 °C / 90 °C @ 10000 h Operation  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Good, application-related testing
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C  80 °C / 90 °C @ 10000 h Operation  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Good, application-related testing  Good, application-related testing
Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Bending radius (fixed)	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C  80 °C / 90 °C @ 10000 h Operation  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Good, application-related testing



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	