

## M12 female 0° A-cod. with cable shielded V4A

PUR 8x0.25 shielded gy UL/CSA+drag ch. 10m

Female straight M12, 8-pole shielded

Stainless steel 1.4404 (V4A)

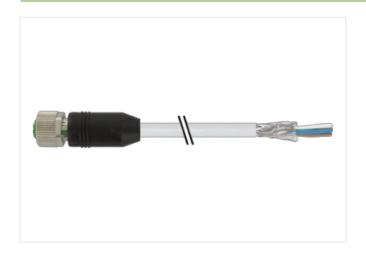
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

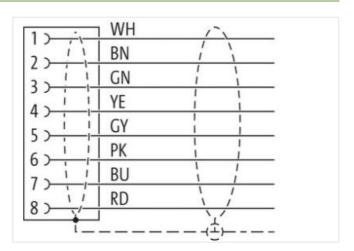
Plastic housings with good resistance against chemicals and oils.

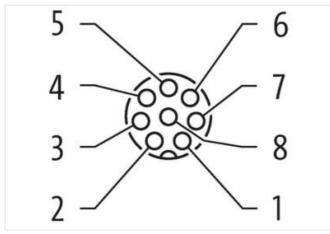
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

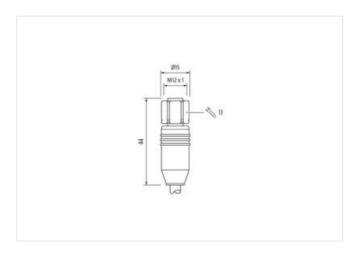
## **Link to Product**

## Illustration









Product may differ from Image





Cable length

10 m

## Commercial data



stay connected

ECLASS-10   2779/E18	FOLAGO 6.0	
ECLASS 8 0         27700011           ECLASS 10.1         27000011           ECLASS 11.1         27000011           ECLASS 12.0         27000011           ETMS 0         EXCOLESS 10.0           ETMS 0         EXCOLESS 10.0           GTM         406079110046           Packaging unit         1           Electrical clast Suppy         February 1000000000000000000000000000000000000	ECLASS-6.0	27279218
ECLASS 9.0         27660311           ECLASS 10.1         27600311           ECLASS 11.2         27060311           ECLASS 12.0         27600311           ECLASS 12.0         27600311           ECLASS 12.0         ECO01855           customs staff number         85444290           GTIM         4949678110946           Packaging unit         1           Electrical data [ Supply         30 Y           Operating voltage AC max.         30 Y           Device protection [ Electrical         Pollution Degre         \$           Pollution Degre         \$         \$           Rated surge voltage         0.8 RV           Material group (IEC 6064-1)         1           Environmental characteristics   Climate         Coperating temperature max.         25 °C           Additional condition temperature range         depending pone cable quality           Important installation rotes         85 °C           Additional condition temperature range         depending pone cable quality           Important installation rotes         85 °C           Additional condition (see installation rotes)         85 °C           Additional condition (see installation rotes)         97 °C           Cable indentification (a)         2		27279218
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ECLASS-1.1         27060311           ECLASS-12-0         27000311           ECHASS-12-0         27000311           ETM 5.0         EC001655           custons tarff number         8544290           GTN         406879 110846           Packaging unit         1           Electrical data   Supply         30 Y           Operating vallage DC max.         30 Y           Porticity on Degree         3           Rated a surpe voltage         0.8 kV           Material group (IEC 60664-1)         1           Environmental ton temperature range         45 °C           Operating temperature min.         45 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Volume on bonding radiu           Note on bonding radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be adapted by excessive bending forces.           Cable identification         291           Cable identification         291           Cable identification         291           Cable identification         291           Cable identification         8 %           Are		27060311
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ETIM-5 O ECO01855 customs staff number 85444290 GTIN 404879110946 Packaging und 1 Electrical data I Supply  Operating voltage AC max. 30 V Operating voltage DC max: 30 V  Device protection   Electrical Pollution Degree 3 Rated surge voltage Comax: 0,8 kV Material group (EC 60664-1) Environmental characteristics   Climatic Operating voltage to max: 0,8 kV Material group (EC 60664-1) Environmental characteristics   Climatic Operating temperature min. 25 f C Operating temperature min. 25 f C Operating temperature min. 25 f C Operating temperature max: 08 f C Additional condition temperature range depending on cable quality Important installation notes Note on sharia relied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities. Note on sharia relied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities. Note on sharia relied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities. Note on sharia relied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities. Note on sharia relied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities. Note on sharia relied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities. Note on sharia relied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities. Note on sharia relied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities. Note on sharia relied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities. Note on sharia relied Protectors of the protector class can be ordering relied to the protector class can be ordering relied to the protector of t	ECLASS-11.1	27060311
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Electrical data   Supply		4048879110846
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Pollution Degree   3   Rated surge vottage   0.8 kV	Operating voltage AC max.	30 V
Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature min25 °C Operating temperature max85 °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  Cable identification 2  291  Cable Type 3  Jacket Color gray  Type of Certificate  Cable shelding (type) 3  Jacket Color gray  Type of Certificate  Cable shelding (type) 48 %*  Banding Fleece, Foil  Filler yes  Wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weight 78 1 g/m  Material jacket PUR  Tolerance outer diameter (jacket) 1, 2 mm  Outer diameter (jacket) 7, mm  Tolerance outer diameter (sheath) 2,5 %  Material wire insulation PP  Amount wires 8  Outer diameter (jacket) 1,2 mm  Outer diameter tolerance core insulation 1,2 mm  Outer diameter tolerance core insulation 1,2 mm  Outer diameter tolerance core insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1,2 mm  Amount strands (wire) 3  20  20  20  20  20  20  20  20  20  2	Operating voltage DC max.	30 V
Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature min25 °C Operating temperature max85 °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  Cable identification 2  291  Cable Type 3  Jacket Color gray  Type of Certificate  Cable shelding (type) 3  Jacket Color gray  Type of Certificate  Cable shelding (type) 48 %*  Banding Fleece, Foil  Filler yes  Wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weight 78 1 g/m  Material jacket PUR  Tolerance outer diameter (jacket) 1, 2 mm  Outer diameter (jacket) 7, mm  Tolerance outer diameter (sheath) 2,5 %  Material wire insulation PP  Amount wires 8  Outer diameter (jacket) 1,2 mm  Outer diameter tolerance core insulation 1,2 mm  Outer diameter tolerance core insulation 1,2 mm  Outer diameter tolerance core insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1,2 mm  Amount strands (wire) 3  20  20  20  20  20  20  20  20  20  2	Device protection   Electrical	
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 sharin 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  Cable identification 291  Cable Type 3  3 3  3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	•	3
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Important installation notes         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           Cable identification         291           Cable Type         3           Jacket Color         gray           Type of Certificate         culRus           Amount stranding         1           Stranding         8 wires around Core filler twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           Filler         yes           wire arrangement         brown, white, red, blue, pink, gray, yellow, green           Cable weigth         78.1 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)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         8           Outer diameter insulation <td></td> <td></td>		
Note on strain relief 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.  Installation   Cable    Cable Identification 291  Cable Type 3  Jacket Color gray  Type of Centificate cURus  Amount stranding 1  Stranding 8 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  Filler yes  wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weigth 78,1 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) 7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation 1,2 mm  Outer diameter insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 12 and free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32	Additional condition temperature range	depending on cable quality
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Cable identification 291  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 8 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  Filler yes  wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weigth 78,1 g/m  Material jacket PUR  Shore hardness jacket 9 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 8  Outer diameter tolerance core insulation 1,2 mm  Outer diameter tolerance core insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Ingredient freeness wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32	Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     8 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     brown, white, red, blue, pink, gray, yellow, green       Cable weigth     78.1 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)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     8       Outer diameter insulation     1,2 mm       Outer diameter tolerance core insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32	Installation   Cable	
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Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 8 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, white, red, blue, pink, gray, yellow, green Cable weigth 78,1 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) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1,2 mm Outer diameter tolerance core insulation 50 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32	Cable Type	3
Type of Certificate cURus  Amount stranding 1  Stranding 8 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  Filler yes  wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weigth 78,1 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) 7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 8  Outer diameter roberance core insulation 1,2 mm  Outer diameter tolerance core insulation 1,2 mm  Shore hardness wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32	-	gray
Stranding 8 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  Filler yes wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weigth 78,1 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) 7 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 strands (wire) 32	Type of Certificate	- ·
Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  Filler yes wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weigth 78,1 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) 7 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 strands (wire) 32	Amount stranding	1
Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  Filler yes wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weigth 78,1 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) 7 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 strands (wire) 32	Stranding	8 wires around Core filler twisted
Cable shielding (coverage) 80 %  Banding Fleece, Foil  Filler yes  wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weigth 78,1 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) 7 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 strands (wire) 32		copper braid, tinned
Banding Fleece, Foil  Filler yes  wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weigth 78,1 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) 7 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 strands (wire) 32		
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Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 7 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 strands (wire) 32		
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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 strands (wire)       32	Outer-diameter (jacket)	7 mm
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 strands (wire) 32	Tolerance outer diameter (sheath)	± 5 %
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 strands (wire)     32	Material wire insulation	PP
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) 32	Amount wires	
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) 32	Outer diameter insulation	1,2 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 32	Shore hardness wire insulation	70 ± 5 Shore D
	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires 0,1 mm	Amount strands (wire)	32
	Diameter of single wires	0,1 mm



stay connected

Conductor crosssection (wire)	0.25 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
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)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 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	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
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)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min