

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

PUR 8x0.25 shielded bk UL/CSA+drag ch. 20m

Male straight – female straight M12 – M12, 8-pole shielded

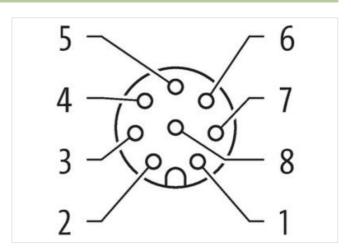
Plastic housings with good resistance against chemicals and oils.

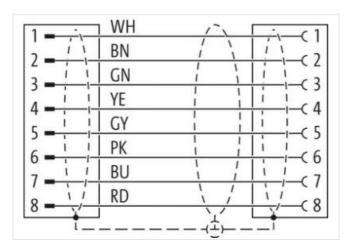
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

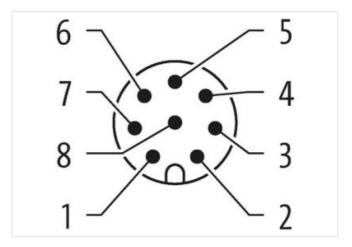
## **Link to Product**

## Illustration



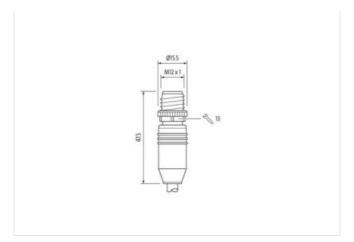


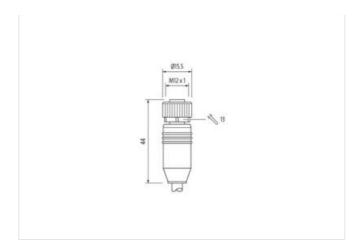






## stay connected





Product may differ from Image











Cable length	20 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
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	4048879530088
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	2 A
Device protection   Electrical	



stay connected

Raed surp voltage   0,8 kV   Material group (IEC 00604-1)   1    Coaling tooking   Nickelod   Nicke	Additional condition protection degree	inserted, screwed
Markarial group (IEC 60064-1)  Mochanical data   Material data  Zondriq looking   Nickeled  Looking material   Zinc die-casting  Mochanical data   Mounting data  Mounting method   Inserted, serewed, Shaking protection  Environmental characteristica   Climatio  Departing temperature min2.5 °C  Queening temperature max6.5 °C  Additional condition temperature range   depending on cable quality  Important installation notes  Note on strain relief   Protect the connectors by suitable measures from mechanical loade, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endanged by excessive bending factors.  Conformity  Product standard   DIN EN 61076-2-101 (M12)  Installation   Cable   Time    Installation   Cable	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Cooking netriel Zim deleasting  Mochanical data   Mounting data  Mounting method inserted, scrowed, Shaking protection  Environmental Characteristics   Climatic  Diperating temperature min. 425 °C  Diperating temperature min. 425 °C  Diperating temperature max. 455 °C  Additional condition temperature max. 455 °C  Modification all condition temperature max. 455 °C  Modification and installation notes  Who on strain riviel 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 Difference the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard Difference the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Write arrangement brown, white, red, blue, pink, gray, yellow, green  Zable Internation 1717  Zab		1
Cooking notking	Mechanical data   Material data	
Mechanical data   Mounting data   Mounting data   Mounting data   Mounting method   Inserted, screwed, Shaking protection   Mounting   Inserted   Inse	·	Nighteled
Mounting method inserted, sorewed, Shaking protection  Environmental characteristics   Climatic poperating temperature min.  25 °C   Deparating temperature max.  85 °C   Additional condition notes  Wote on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lites.  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   Web arrangement   brown, white, red, blue, pink, gray, yellow, green  2able identification   717  2able definition   2		
Environmental characteristics   Climatic  Departating temperature min.		Zinc die-casting
Environmental characteristics   Climatic Operating temperature min	•	
Operating temperature min25 °C Operating temperature max. 85 °C	Mounting method	inserted, screwed, Shaking protection
Departure   Departure max.   85 °C	Environmental characteristics   Climatic	
Important Installation notes	Operating temperature min.	-25 °C
Important installation notes  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.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable	Operating temperature max.	85 °C
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.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, white, red, blue, pink, gray, yellow, green  Zable identification 717  Zable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 8 wires around Core filler twisted  Zable shielding (coverage) 80 %  Zables shielding (coverage) 80 %  Zables wire arrangement brown, white, red, blue, pink, gray, yellow, green  Zable weigh 66 g/m  Auterial jacket PUR  Auterial jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 7 mm  Amount wires outer diameter (sheath) ± 5 %  Auterial wire insulation 1,2 mm  Amount wires 8  Zabuer diameter insulation 1,2 mm  Duter diameter (sheath) ± 5 %  Jacket around conductor wire browners wire insulation 1,2 mm  Duter diameter resulation 1,2 mm  Diameter of sile results wires 1,2 m	Additional condition temperature range	depending on cable quality
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  wire arrangement brown, white, red, blue, pink, gray, yellow, green  Zable identification 717  Zable identification 717  Jake (Color black  DRUS  Amount stranding 1  Saminary (Saminary Color Stranding) 1  Saminary (Saminary Color Stranding) 2  Sable shielding (coverage) 80 %  Saminary (Saminary Color Stranding) 5  Saminary (Saminary Color Stranding) 7  Saminary (Saminary Color Saminary Color Sa	Important installation notes	
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   wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable identification 717  Cable identification 719  Jackel Color black  Type of Certificate cURus  Amount stranding 1  Stranding 8 wires around Core filler twisted  Cable shielding (coverage) 80 %  Banding Fiece, Foil Filler yes  wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weight 66 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 8  Duter diameter folexance core insulation 190 ± 5 Shore D  Ingredient freeness wire i	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, white, red, blue, pink, gray, yellow, green  717  Zable identification 717  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 8 wires around Core filler twisted  Cable shielding (type) coper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foll  Filler yes  Wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weigth 66 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 7 mm  Duter diameter (jacket) 7 mm  Duter diameter (sheath) ± 5 %  Shore hardness wire insulation PP  Amount wires 8  Duter diameter insulation 10 ± 5 %  Shore hardness wire insulation 10 ± 5 %  Shore hardness wire insulation 10 ± 5 %  Shore hardness wire insulation 10 ± 5 %  Amount stranding 10 ± 5 Shore D  Ingredient freeness wire insulation 10 ± 5 %  Amount strands (wire) 32 cadmium-free, CFC-free, halogen-free, silicone-free		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, white, red, blue, pink, gray, yellow, green  717  Zable identification 717  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Standing 8 wires around Core filler twisted  Cable shielding (type) coper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  Filler yes  Wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weigth 66 g/m  Material Jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 7 mm  Duter diameter (jacket) 7 mm  Duter diameter (sheath) ± 5 %  Shore hardness wire insulation PP  Amount wires 8 8  Duter diameter insulation 10 ± 5 %  Shore hardness wire insulation 10 ± 5 %  Shore hardness wire insulation 10 ± 5 %  Shore hardness wire insulation 10 ± 5 %  Shore freeness wire insulation 10 ± 5 %  Shore freeness wire insulation 10 ± 5 %  Amount stranding (wire) 32 cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32 cadmium-free, CFC-free, halogen-free, silicone-free  Stranded copper wire, bare  Stranded copper wire, ba	Conformity	
Installation   Cable           vire arrangement         brown, white, red, blue, pink, gray, yellow, green           Sable identification         717           Cable Type         3           Sacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         8 wires around Core filler twisted           Sable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           Filler         yes           vire arrangement         brown, white, red, blue, pink, gray, yellow, green           Cable weigth         66 g/m           Material packet         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         7 mm           Tolerance outer diameter (jacket)         2 mm           Duter-diameter (jacket)         2 5 %           Material wire insulation         PP           Amount wires         8           Duter diameter insulation         1,2 mm           Duter diameter insulation         70 ± 5 Shore D           Shore hardness wire insulation         1,2 mm           Duter diameter f	•	DIN FN 61076-2-101 (M12)
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Cable identification         717           Cable Type         3           Jacket Color         black           Vippe of Certificate         cURus           Amount strading         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         66 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           Duter-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         8           Duter diameter tolerance core insulation         1,2 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D           Ing		
Sable Type   3		
acket Color black Type of Certificate cURus  Internating 1 Stranding 1 Stranding 8 wires around Core filler twisted  Sable shielding (type) copper braid, tinned  Sable shielding (coverage) 80 % Sanding Fleece, Foil  Siller yes Siller yes Siller yes Sable weight 66 g/m  Alaterial jacket PUR Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Souter diameter (sheath) ± 5 %  Alaterial wire insulation PP  Window Mineral substation 1,2 mm  Duter diameter tolerance core insulation 1,2 mm  Duter diameter tolerance core insulation 1,2 mm  Duter diameter tolerance swire insulation 1,2 mm  Duter diameter swire insulation 1,2 mm  Duter diameter tolerance swire insulation 1,2 mm  Duter diameter swire insulation 1,3 mm  Duter diameter swire insulation 1,2 mm  Duter diameter swire insulation 1,3 mm  Duter diameter swire insulation 1,4 mm  Duter diameter swire insulation 1,4 mm  Duter diameter swire insulation 1,5 Shore D  Ingredient freeness wire insulation 1,2 mm  Duter diameter of single wires 0,1 mm  Conductor crosssection (wire) 3,2  Diameter of single wires 0,1 mm  Conductor type (wire) 5,25 mm²  Alaterial conductor wire 5,25 mr²  Stranded copper wire, bare		
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Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V	-	
Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V		
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V		·
Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V		<u> </u>
Nominal voltage AC max. 300 V		
		300 V 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min