

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

PUR 8x0.25 shielded gy UL/CSA+drag ch. 7.5m

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

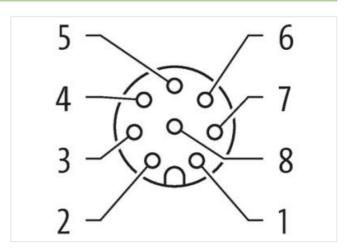
Plastic housings with good resistance against chemicals and oils.

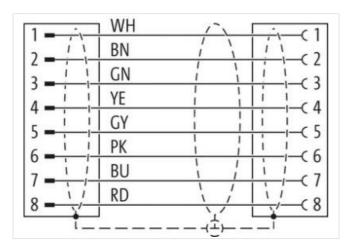
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

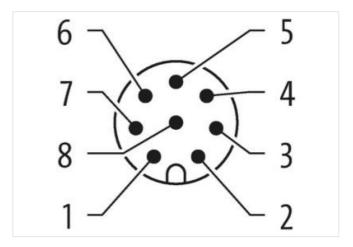
## **Link to Product**

## Illustration



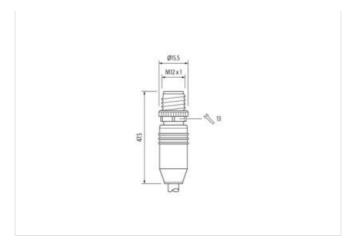


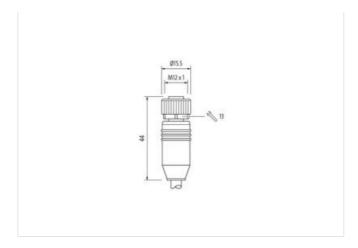






## stay connected





Product may differ from Image











Cable length	7,5 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	4048879300933
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

Ried at pury (IEG 0694-1) I  Coating lacyte (IEG 0694-1) I  Coating lacking (IEG 0694-1) I  Coating lacking Nickeled See See See See See See See See See S	Additional condition protection degree	inserted, screwed
Metherial group (IEC 60064-1) I  Mochanical data   Material atta Conting locking   Nickeled Locking material   Zinc die-casting Mochanical data   Mounting data Mounting method   Inserted, screwed, Shaking protection Environmental characteristics   Climatic Departing temperature min.   -25 °C Operating temperature max.   65 °C Hodditional condition temperature range   depending on cable quality   Important installation notes Note on strain rolled   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain rolled   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain rolled   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain rolled   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain rolled   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bunding radius   Attention: Observe the permissible bending radius when laying cables, as the IP protection class can be endanged by excessive bending forces.  Conformity  Product standard   DIN EN 61076-2-101 (M12)  Installation   Cable   Cable	<u> </u>	
Coating looking Neickeled Looking material Zimo die-casting  Mounting method inserted. screwed, Shaking protoction  Environmental Characteristics   Climatic  Diperating 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.  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 ingential control of the cont		<u> </u>
Cooking looking	Mechanical data   Material data	
Mechanical data   Mounting data   Mounting data   Mounting method   Inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Cli	·	Nickeled
Mounting method inserted, sorewed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Important installation notes  Note on strain roted 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 Installation   Cabl		
Inserted   Service   Shaking protection		Zirio die-odatirig
Environmental characteristics   Climatic Deparating temperature min	•	
Operating temperature min. 45 °C Operating temperature max. 85 °C Operating temperature max. 95 °C		
Departing temperature max. 48 °C depending on cable quality depending for case. 4 tention: 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  2able identification 291  2able Type 3  2able Stranding 4 wire arranging 1  Stranding 8 wires around Core filler twisted  2able Ishelding (type) copper braid, thined  2able Ishelding (type) copper braid, thined  2able Stranding 5  2able Stranding 6  2able Stranding 7  2able Stranding 8 wires around Core filler twisted  2able shelding (type) copper braid, thined  2able weight 78.1 g/m  48.1 g/m  48.2 Shore A  2able weight 78.1 g/m  2able weight 78.1 g/m  2able dependent (sheld) 1.5 %  48.2 Shore A  2able weight 79.1 Shore A  2able dependent (sheld) 1.5 %  48.3 Shore hardness are insulation 1.2 mm  2able diameter (sheld) 1.5 %  48.5 Shore hardness wire insulation 1.2 mm  2able diameter of single wire 1 solution 1.2 mm  2able diameter of single wire 1 solution 1 set of fee, cadmium-free, CFC-free, halogen-free, silicone-free  2able diameter of single wire 1 solution 1 set of fee, cadmium-free, CFC-free, halogen-free, silicone-free  2able diameter of single wire 1 solution 1 set of fee, cadmium-free, CFC-free, halogen-free, silicone-free  2ab	Environmental characteristics   Climatic	
Important installation notes	<u> </u>	
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.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable    wive arrangement brown, white, red, blue, pink, gray, yellow, green  Zable identification 291  Zable Type 3  Zable Color gray  Type of Certificate cURUs  Amount stranding 1  Stranding 8 wires around Core filler twisted  Zable shielding (type) copper braid, tinned  Zable shielding (type) copper braid, tinned  Zable shielding (type) copper braid, tinned  Zable wight 78.1 g/m  Material jacket PUR  Shore hardness jacket 99.1 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount wires 8  Zabluer diameter (jacket) 7 mm  Tollerance outer diameter (sheath) ± 5 %  Attendated wire insulation PP  Amount wires wire insulation 1.2 mm  Dutler diameter insulation 1.2 mm  Dutler diameter insulation 79.1 5 Shore D  Ingredient freeness wire insulation 1.2 mm  Dutler diameter insulat		
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 291  Zable Type 3  Zable identification   Cable    Wire arrangement   Drown, white, red, blue, pink, gray, yellow, green  Zable identification   Cable    Wire arrangement   CuRus    Amount stranding 1    Stranding   S wires around Core filler twisted    Zable shielding (type)   Copper braid, finned    Zable shielding (coverage)   80 %  Zanding   Fleece, Foil    Filler   yes    Wire arrangement   Drown, white, red, blue, pink, gray, yellow, green    Zable weigth   78,1 g/m    Autorial jacket   PUR    Autorial jacket   90 ± 5 Shore A    Freedom from ingredients (jacket)   25 %  Autorial jacket   90 ± 5 Shore A    Freedom from ingredients (jacket)   25 %  Autorial dameter (jacket)   7 mm    Tolorance outer diameter (sheath)   ± 5 %  Autorial dameter insulation   1,2 mm    Autorial wire insulation   PP    Amount wires   8    Ducter diameter insulation   1,2 mm    Autorial strands (wire)   32    Ducter diameter resolution   5 %    Shore hardness wire insulation   1,2 mm    Ducter diameter resolution   5 %    Shore hardness wire insulation   1,2 mm    Ducter diameter resolution   5 %    Shore hardness wire insulation   1,2 mm    Ducter diameter resolution   5 %    Shore hardness wire insulation   1,2 mm    Ducter diameter tolerance core insulation   1,2 mm    Ducter diamete	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  Cable identification 291  Cable identification 291  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 (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil yes  wire arrangement brown, white, red, blue, pink, gray, yellow, green  Cable weight 78,1 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  Couler diameter insulation 1,2 mm  Outer diameter insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Shore hardness wire insulation 1,2 mm  Outer diameter insulation 1,2 mm  Outer diameter insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wire 0,1 mm  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V	Important installation notes	
Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable           wire arrangement         brown, white, red, blue, pink, gray, yellow, green           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, timed           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           Filler         yes           wire arrangement         brown, white, red, blue, pink, gray, yellow, green           Cable weight         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           Dutter-diameter (jacket)         7 mm           Material wire insulation         p.P           Amount wires         8           Outer diameter five subtition         70 ± 5 Shore D           Ingredient freeness wire insulation         1,2 mm      <	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    Zable identification 291    Zable identification 291    Zable dentification 291    Zable identification 291    Zable id	Note on bending radius	
wire arrangement brown, white, red, blue, pink, gray, yellow, green  2able identification 291  2able Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Standing 8 wires around Core filler twisted  2able shielding (type) copper braid, tinned  2able shielding (coverage) 80 %  3anding Fleece, Foil  2able weigth 78,1 g/m  Auterial Jacket PUR  Shore hardness jacket PUR  Amount stranding 90±5 %  Amount stranding Fleece, admium-free, CFC-free, halogen-free, silicone-free  Amount freeness wire insulation 70±5 %  Shore hardness wire insulation 70±5 Shore D  Ingredient freeness wire insulation 12 mm  Duter diameter lolerance core insulation 12 mm  Duter diameter swire insulation 70±5 Shore D  Ingredient freeness wire insulation 12 mm  Duter diameter (single wires 0,1 mm  Duter diameter swire insulation 12 mm  Duter diameter insulation 12 mm  Duter diameter insulation 70±5 Shore D  Ingredient freeness wire insulation 12 mm  Duter diameter swire insulation 12 mm  Duter diameter insulation 14 mm  Duter diameter swire insulation 15 Shore D  Ingredient freeness wire insulation 16 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wires 0,1 mm  Donductor type (wire) strand clopper wire, bare  Stranded copper wire, bare  Stranded copper wire, bare  Stranded copper wire, bare  Stranded conductor wire 5 stranded copper wire, bare  Stranded conductor wire 5 stranded copper wire, bare  Stranded copper wire, bare	Conformity	
wire arrangement brown, white, red, blue, pink, gray, yellow, green  2able identification 291  2able Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Standing 8 wires arround Core filler twisted  2able shielding (type) copper braid, tinned  2able shielding (coverage) 80 %  3anding Fleece, Foil  2able weight 78.1 g/m  4aterial packet PUR  5brore hardness packet PUR  5brore hardness packet 90 ± 5 Shore A  1counter diameter (skeath) ± 5 %  4bround wires 8  2buter diameter (sheath) + 5 %  5brore hardness wire insulation PP  2buter diameter insulation 1,2 mm  2buter diameter tolerance core insulation 1,2 mm  2buter diameter tolerance core insulation 1,2 mm  2buter diameter (sheath) 1,2 mm  2buter diameter (sheath) 1,2 mm  2buter diameter insulation 1,2 mm  2buter diameter (sheath) 70 ± 5 Shore D  1gredient freeness wire insulation 1,2 mm  2buter diameter insulation 1,2 mm  2buter diameter (sheath) 1,2 mm  2buter diameter (sheath) 25 Shore D  1gredient freeness wire insulation 1,2 mm  2buter diameter (sheath) 1,2 mm  2buter diameter (sheath) 25 Shore D  1gredient freeness wire insulation 1,2 mm  2buter diameter insulation 1,2 mm  2buter diameter (sheath) 25 Shore D  1gredient freeness wire insulation 1,2 mm  2buter diameter (sheath) 25 Shore D  1gredient freeness wire insulation 1,2 mm  2buter diameter (sheath) 25 Shore D  1gredient freeness wire insulation 1,2 mm  2buter diameter (sheath) 25 Shore D  2buter diameter (sheath) 32  2biameter of single wires 0,1 mm  2bonductor crossection (wire) 0,25 mm²  4buterial conductor wire 5tranded copper wire, bare  2brounductor type (wire) 5tranded copper wire, bare  2brounductor type (wire) 5tranded copper wire, bare  2brounductor type (wire) 5tranded copper wire, bare	Product standard	DIN EN 61076-2-101 (M12)
brown, white, red, blue, pink, gray, yellow, green  Cable identification 291  Jacket Color gray  Jacket Gray	Installation   Cable	
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         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         1ead-free, cadmium-free, CFC-free, halogen-free, sili	·	brown white red blue pink gray yellow green
Cable Type   3		
Acket 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 %  Canding Fleece, Foil  Filler yes  Fleece, Foil  Filler yes  Freadon from ingredients (jacket) PUR  Colorance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 8  Couler diameter tolerance core insulation 1,2 mm  Duter diameter tolerance core insulation 1,2 mm  Duter diameter tolerance core insulation 1,2 mm  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 32  Diameter of single wires 0,000 mm  Conductor type (wire) strand class 6  Londow of the wire bare of single wires 1,2 mm  Conductor type (wire) strand class 6  Londow of the wire bare of single wires 2,2 mm  Conductor type (wire) strand class 6  Londow of the wire bare of single wires 2,2 mm  Colorand voltage AC max. 300 V		
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Cable shielding (coverage)  80 %  Banding Fleece, Foil  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  Cuter-diameter (jacket) 7 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 8  Cuter diameter insulation 1,2 mm  Cuter 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  Cable weight 7 mm  Conductor or ossection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V		
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 Couter-diameter (jacket) 7 mm Folerance outer diameter (sheath) ±5 % Material wire insulation PP Amount wires 8 Couter diameter insulation 1,2 mm Couter diameter insulation 1,2 mm Couter diameter insulation 1,2 mm Couter diameter insulation 20±5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Conductor or single wires 0,1 mm Conductor or single wires 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V		
brown, white, red, blue, pink, gray, yellow, green  78,1 g/m  Material jacket  PUR  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  Pus  Pouter-diameter (jacket)  Tolerance outer diameter (sheath)  Amount wires  Duter diameter insulation  PP  Amount wires  Shore hardness wire insulation  1,2 mm  Duter diameter insulation  1,2 mm  Duter diameter tolerance core insulation  4 5 %  Shore hardness wire insulation  To ± 5 Shore D  Ingredient freeness wire insulation  Pach (wire)  32  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  0,25 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Stranded class 6  Nominal voltage AC max.  300 V		Fleece, Foil
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  Duter-diameter (jacket) 7 mm  Folerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 8  Duter diameter insulation 1,2 mm  Duter 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  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	Filler	yes
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  Folerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 8 Duter diameter insulation 1,2 mm  Duter 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  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	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
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 insulation 1,2 mm  Duter 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  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	Cable weigth	78,1 g/m
Freedom from ingredients (jacket)  Duter-diameter (jacket)  7 mm  Tolerance outer diameter (sheath)  4 5 %  Material wire insulation  PP  Amount wires  8  Duter diameter insulation  1,2 mm  Duter diameter tolerance core insulation  5 %  Shore hardness wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  Amount strands (wire)  32  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  0,25 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Nominal voltage AC max.  300 V	Material jacket	
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  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	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 8  Duter 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  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		•
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  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		
Amount wires  Duter diameter insulation  1,2 mm  Duter diameter tolerance core insulation  5 %  Shore hardness wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  Amount strands (wire)  32  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  0,25 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Nominal voltage AC max.  300 V	· · · · · · · · · · · · · · · · · · ·	
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Amount strands (wire)  22  Diameter of single wires  Conductor crosssection (wire)  Output  Ou		
Amount strands (wire)  Diameter of single wires  O,1 mm  Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Nominal voltage AC max.  300 V		
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		
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Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V		· · · · · · · · · · · · · · · · · · ·
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
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