

## M12 female recept. A-cod. shielded rear

PUR 5x0.34 shielded gy UL/CSA+drag ch. 1m

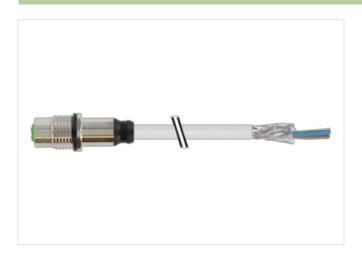
Flange female M12, 5-pole shielded Rear mounting

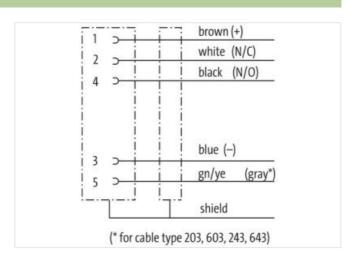
Further cable lengths on request.

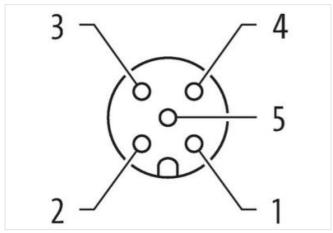
The resistance to aggressive media should be individually tested for your application. Further details on request.

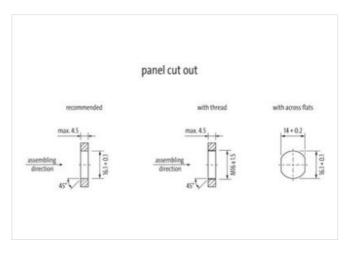
## **Link to Product**

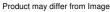
## Illustration

















1 m





Cable length

Side 1

Tightening torque 0,6 Nm



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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	Brass
No. of poles	5
Degree of protection (EN IEC 60529)	IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-7.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879529310
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M16 x 1.5
Width across flats	SW19
Device protection   Electrical	
	0.4.00
Protection NEMA	3, 4, 6P
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage  Material group (IEC 60664-1)	1,5 kV
	<u> </u>
Mechanical data   Material data	
Coating locking	nickel plated
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Brass
Material screw connection	Brass
Mechanical data   Mounting data	
Mounting method	Schraubgewinde
Looking techniques	Schraubgewinde
Environmental characteristics   Climatic	;

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-18



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Departing temperature max.  65 °C Accinional confident emperature range Accinional confident emperature range Accinional confident emperature range Approvate  JL 50E  yes  Installation (Jabbe  Sable Identification  242  Sable 17ya  3  Sable todentification  247  Sable 17ya  3  Sable Accinional Confident  Service Confident  4 URUs  Vernount stranding  1  Stranding  5 wires around Core filler twisted  Cable sheeling (type)  60 %  Sable sheeling (type)  70 copper braid, finned  Sable sheeling (type)  80 %  Sarring  Fleece, Foil  "Inter  yes  Were around Core filler twisted  Control of the Core	Operating temperature min.	-25 °C
Approvise  Justice   Justi		
Approvals         yes           Installation   Cable         yes           Trainablation   Cable         242           Sable Type   3         3           Inchest Color   gray   Gradinates   GURus   Gurantina   Gura	· · · · ·	
Installation   Cable	, ,	depending on easie quality
Installation   Cable    Zable Information   242    Zable Information   242		
Cable Type         3           Zable Type         3           Jacket Cofor         gray           Type of Carificate         CLPus           Amount stranding         1           Taileranding         5 wires around Core filter (wisted           Sable shelding (type)         copper braid, finned           Sable shelding (type)         60 %           Sable shelding (type)         57 %           Sable shelding (type)         57 %           Sable shelding (type)         58 %           Shore (amanter (shelding)         2 5 %           Shore (amanter (shelding)         2 5 %           Shore (amanter (shelding)         2 5 %           Shore (shelding)         3 5 Shore D           Shore (shelding)	UL 50E	yes
Sacket Color gray  Sacket Color gray  Type of Certificate cURus  Amount stranding 1  Swiss around Core filler twisted  Sacket Shelding (overage) 5 wes around Core filler twisted  Sacket Shelding (overage) 80 %  Sandring Fleece, Foil  Filler  Ver  Silve arrangement bown, black, blue, white, green yellow  No. of bending cycles (C-track) 5 Mo. @ 25 °C  Sable weigh 57,2 p/m  Material poket PuR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 104 ± 5 %  Shore and filler glacket) 5.5 mm  Folderance outer diameter (placket) 5.5 mm  Colerance outer diameter (placket) 5.5 mm  Colerance outer diameter insulation 12.5 mm  Duter diameter insulation 12.5 mm  Duter diameter insulation 70 ± 5 Shore D  Shore hardness were insulation 70 ± 5 Shore D  Shore hardness were insulation 70 ± 5 Shore D  Shore hardness were insulation 70 ± 5 Shore D  Shore hardness were insulation 70 ± 5 Shore D  Shore hardness were insulation 70 ± 5 Shore D  Shore diameter (placket) 5.6 mm  Alter diameter insulation 70 ± 5 Shore D  Shore hardness were insulatio	Installation   Cable	
Jacket Color Type of Certificate Vipe of Certi	Cable identification	242
Common   Standing   1	Cable Type	3
Simulating Service around Core filler twisted Standing Service around Core filler twisted State shielding (ptype) copper braid, timed Seales shielding (coverage) 80 % Searding Fleece, Foll Seales shielding cycles (C-track) 5 Mio. @ 25 °C Searding Searding Seales Searding Seardin	Jacket Color	gray
Stranding   Stranding   Stranding   Stranding   Copper braid, timed	Type of Certificate	cURus
Cable shielding (type) coper braid, tinned  able shielding (coverage) 80 %  alarding Fleece, Foil  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Ao. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigh 57.2 g/m  Auteriral jacket PUR  Abteriral jacket PUR  Freedom from ingredients (jacket) 194 5 Shore A  Freedom from ingredients (jacket) 29 5 Shore A  Freedom from ingredient (jacket) 29 5 Shore A  Freedom from ingredient (jacket) 29 5 Shore A  Freedom from ingredient (jacket) 29 5 Shore D  Freedom from jacket (jacket) 29 5 Shore D  Freedom f	Amount stranding	1
Seable shielding (coverage)   80 %   Fleece, Foil	Stranding	5 wires around Core filler twisted
Fleece, Foil	Cable shielding (type)	copper braid, tinned
Section   Sect	Cable shielding (coverage)	80 %
brown, black, blue, white, green-yellow  10. of bending cycles (C-track)  15. Mio. @ 25°C  25. Blow expert  Material jacket  PUR  Material jacket  PUR  Material jacket  PUR  Material jacket  PUR  Duter-diameter (jacket)  15.6 mm  Folerance outer diameter (jacket)  15.6 mm  Folerance outer diameter (jacket)  15.7 mm  Duter diameter insulation  PP  Material wire insulation  12.5 mm  Duter diameter tolerance core insulation  70 ± 5 Shore D  Duter diameter tolerance core insulation  70 ± 5 Shore D  Damedier folerance swire insulation  70 ± 5 Shore D  Damedier of single wires  10.1 mm  Donductor crosssection (wire)  Damedier of single wires  10.4 mm²  Material conductor wire  Donductor type (wire)  Stranded copper wire, barre  Donductor type (wire)  Stranded copper wir	Banding	Fleece, Foil
No. of bending cycles (C-track)  5 Mio. @ 25 °C  Zable weigith  57.2 g/m  Material jacket  57.2 g/m  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  10 Juster-diameter (jacket)  10 Juster-diamet	Filler	yes
S7.2 g/m	wire arrangement	brown, black, blue, white, green-yellow
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)         5.6 mm           Follerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Duter diameter tolerance core insulation         1,25 mm           Duter diameter tolerance core insulation         ± 5 %           After hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Ingredient free	No. of bending cycles (C-track)	5 Mio. @ 25 °C
Shore hardness jacket   90 ± 5 Shore A	Cable weigth	57,2 g/m
lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Duter-diameter (jacket)         5,6 mm           Folerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Duter diameter Insulation         1,25 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)         42           Diameter of single wires         0,1 mm           Onductor rosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         10 DIN VDE 0298-4           Current load capacity (standard)         10 DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Comman voltage power AC max.         300 V           AC withstand voltage power (wire - siled)         2 kV @ 60 s           Power frequency withstand voltage power (wire wire)         2 kV @ 60 s	Shore hardness jacket	90 ± 5 Shore A
Section   Sect	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm Duter diameter insulation 2,5 % Shore hardness wire insulation 2,5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C   horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Cilicotrical resistance line constant wire 57 (2/km @ 20 °C Nominal voltage power (AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 3 kV @ 60 s  AC withstand voltage power (wire - wire) 4 kV @ 60 s  AC withstand voltage power (wire - wire) 5 kV @ 60 s  AC withstand voltage power (wire - wire) 60 s Q & 60 s  AC withstand voltage power (wire - wire) 60 s Q & 60 s  AC withstand voltage power (wire - wire) 60 s Q & 60 s  AC withstand voltage power (wire - wire) 60 s Q & 60 s  AC withstand voltage power (wire - wire) 60 s Q & 60 s  AC withstand voltage power (wire - wire) 60 s Q & 60 s  AC withstand voltage power (wire - wire) 60 s Q & 60 s  AC withstand voltage power (wire - wire) 60 s Q & 60 s  AC withstand voltage power (wire - wire) 60 s Q & 60 s  AC withstand v	Outer-diameter (jacket)	5,6 mm
Amount wires 5 Duter diameter insulation 1,25 mm Duter diameter folerance core insulation 5,70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire 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 Ingredient freeness wire 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 Ingredient freeness wire 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 Ingredient freeness wire 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 Ingredient freeness wire 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 Ingredient freeness wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Ingredient free, Silicone-free In	Tolerance outer diameter (sheath)	± 5 %
Duter diameter insulation         1,25 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)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Clectrical resistance line constant wire         57 Ω/km @ 20 °C           Volominal voltage power AG max.         300 V           Cover frequency withstand voltage power (wire - shield)         2 kV @ 60 s           Cover frequency withstand voltage power (wire wire)         2 kV @ 60 s           AC withstand voltage power (wire wire)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C <td>Material wire insulation</td> <td>PP</td>	Material wire insulation	PP
Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Fraversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           AC withstand voltage power (wire - shield)         2 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Win. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Deperating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Deperating temperature max. (dynamic)         -25 °C           Deperating temperature max. (dynamic) <td>Amount wires</td> <td>5</td>	Amount wires	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) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Fraversing distance (C-track) 5 m @ 25 °C   horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Cower frequency withstand voltage power (wire - shield) 2 kV @ 60 s Cower frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Coperating temperature max. (dynamic) 425 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Elame resistance EC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090 Chemical resistance Good, application-related testing Characteristics of Souter diameter Edenting radius (fixed) 5 x Outer diameter	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation  Amount strands (wire)  42  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  3,34 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Current load capacity (standard)  current load capacity (standard)  current load capacity min. wire  4,5 A  Electrical resistance line constant wire  57 \( \Omega \text{tw} \) @ 00 °C  Nominal voltage power AC max.  300 V  4C withstand voltage power (wire - shield)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  3 kV @ 60 s  AC withstand voltage power (wire - wire)  4 kV @ 60 s  AC withstand voltage power (wire - wire)  4 kV @ 60 s  AC withstand voltage power (wire - wire)  4 kV @ 60 s  AC withstand voltage power (wire - wire)  4 kV @ 60 s  AC withstand voltage power (wire - wire)  4 kV @ 60 s  AC withstand voltage power (wire - wire)  4 kV @ 60 s  AC withstand voltage power (wire - wire)  4 kV @ 60 s  AC withstand voltage power (wire - wire)  4 kV @	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C   horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s  AC withstand voltage power (wire - shield) 3 kV @ 60 s  AC withstand voltage power (wire - wire) 3 kV @ 60 s  AC withstand voltage power (wire - wire) 3 kV @ 60 s  AC withstand voltage power (wire - wire) 3 kV @ 60 s  AC withstand voltage power (wire - wire) 3 kV @ 60 s  AC withstand voltage power (wire - wire) 3 kV @ 60 s  AC withstand voltage power (wire - wire) 4 kV @ 60 s  AC withstand voltage power (wire - wire) 3 kV @ 60 s  AC withstand voltage power (wire - wire) 4 kV @ 60 s  AC withstand voltage power (wire - wire) 4 kV @ 60 s  AC withstand voltage power (wire - wire) 4 kV @ 60 s  AC withstand voltage power (wire - wire) 4 kV @ 60 s  AC withstand voltage power (wire - wire) 4 kV @ 60 s  AC withstand voltage power (wire - wire) 4 kV @ 60 s  AC withstand voltage power (wire - wire) 4 kV @ 60 s  AC withstand voltage power (wire - wire) 4 kV @ 60 s  AC withstand voltage power (wire - wire) 5 kV @ 60 s  AC withstand voltage power (wire - wire) 6 kV @ 60 s  AC withstand voltage power (wire - wire) 6 kV @ 60 s  AC withstand voltage power (wire - wire) 8 kV @ 60 s  AC withstand voltage power (wire - wire) 8 kV @ 60 s  AC withstand voltage power (wire - wire) 9 kV @ 60 s  AC withstand voltage power (wire - wire) 9 kV @ 60 s  AC withstand voltage power (wire - wire) 9 kV @ 60 s  AC withstand voltage power (wire - wire) 9 kV @ 60 s  AC withstand voltage power (wire - wire) 9 kV @ 60 s  AC withstand voltage power (wire - wire) 9 kV @ 60 s  AC withstand voltage power (wire - wire) 9 kV @ 60 s  AC withstand voltage power (wire - wire) 9 kV @ 60 s  AC withstand voltage power (wire - wire)	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires  O,1 mm  Conductor crosssection (wire)  O,34 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Traversing distance (C-track)  Din VDE 0298-4  Current load capacity (standard)  Current load capacity (standard)  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  Nominal voltage power AC max.  300 V  AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - shiel	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 6  Traversing distance (C-track)  S m @ 25 °C   horizontal  Current load capacity (standard)  Current load capacity min. wire  4,5 A  Current load capacity min. wire  4,5 A  Current load capacity min. wire  ST Ω/km @ 20 °C  Nominal voltage power AC max.  AC withstand voltage power (wire - shield)  2 kV @ 60 s  Cover frequency withstand voltage power (wire - shield)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  AD operating temperature (static)  AD operating temperature min. (dynamic)  Coperating temperature min. (dynamic)  Coperating temperature max. (dynamic)  Beneficial resistance  Good, application-related testing  Good, application-related testing  Bending radius (fixed)  5 x Outer diameter	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Fraversing distance (C-track) 5 m @ 25 °C   horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s	Diameter of single wires	0,1 mm
Conductor type (wire)       strand class 6         Fraversing distance (C-track)       5 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,5 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power (wire - wire)       2 kV @ 60 s         AC withstand voltage power (wire - wire)       2 kV @ 60 s         Max. 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       IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090         Schemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Dil resistance       Good, application-related testing   DIN EN 60811-404         3ending radius (fixed)       5 x Outer diameter	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Fraversing distance (C-track) 5 m @ 25 °C   horizontal   Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power wire - jacket) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Departing temperature min. (dynamic) -25 °C  Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Elame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)  Current load capacity (standard)  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  57 \( \Omega \text{thm} \) 20 °C  Nominal voltage power AC max.  300 V  AC withstand voltage power (wire - shield)  2 kV \( \empsilon \text{00 s} \)  Cower frequency withstand voltage power wire - jacket)  AC withstand voltage power (wire - wire)  2 kV \( \empsilon \text{00 s} \)  AC withstand voltage power (wire - wire)  2 kV \( \empsilon \text{00 s} \)  AC withstand voltage power (wire - wire)  2 kV \( \empsilon \text{00 s} \)  Max. operating temperature (fixed)  80 °C / 90 °C \( \empsilon \text{10000 h Operation} \)  Coperating temperature min. (dynamic)  25 °C  Coperating temperature max. (dynamic)  80 °C / 90 °C \( \empsilon \text{10000 h Operation} \)  Flame resistance  IEC 60332-2-2   UL 1581 \( \green \text{1100 FT2}   UL 1581 \( \green \text{100 FT2}   UL 1	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power wire - jacket) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Max. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Departing temperature min. (dynamic) -25 °C  Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Elame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power wire - jacket) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 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 IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max.  AC withstand voltage power (wire - shield)  2 kV @ 60 s  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Win. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Departing temperature min. (dynamic)  25 °C  Departing temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Schemical resistance  Good, application-related testing  Dil resistance  Good, application-related testing  Good, application-related testing  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter	Current load capacity min. wire	4,5 A
AC withstand voltage power (wire - shield)  2 kV @ 60 s  Power frequency withstand voltage power wire - jacket)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Win. 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  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Schemical 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	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Power frequency withstand voltage power wire - jacket)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  40 °C  Max. operating temperature (static)  -40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Deperating temperature min. (dynamic)  -25 °C  Deperating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  Dil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter	Nominal voltage power AC max.	300 V
wire - jacket)  AC withstand voltage power (wire - wire)  -40 °C  Max. operating temperature (fixed)  Deperating temperature min. (dynamic)  -25 °C  Deperating temperature max. (dynamic)  Elame resistance  BEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Dil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter	AC withstand voltage power (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (fixed)  Departing temperature min. (dynamic)  Departing temperature max. (dynamic)  Departing temperature max. (dynamic)  Elame resistance  Departing temperature max. (dynamic)  Departing temperature max. (dynamic)  Elame resistance  Departing temperature max. (dynamic)  Departing temperature max. (dynamic)  Elame resistance  Departing temperature max. (dynamic)  Elame resistance  Departing temperature max. (dynamic)  Departing temperature max. (dynamic)  Elame resistance  Departing temperature max. (dynamic)  Departing tempera	Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
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  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Dil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Departing temperature min. (dynamic)  -25 °C  Departing temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  Dil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter	Min. operating temperature (static)	-40 °C
Departing temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  Dil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
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  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter	Operating temperature min. (dynamic)	-25 °C
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing   DIN EN 60811-404 Gending radius (fixed) 5 x Outer diameter	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance Good, application-related testing  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter	Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-18



No. of torsion cycles	2 Mio.	
Torsion speed	35 cycles/min	
Torsion stress	± 30 °/m	