

M12 female 0° A-cod. with cable shielded

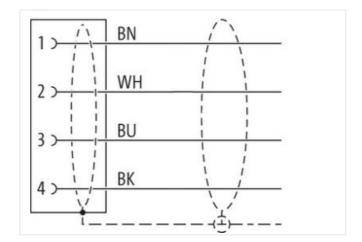
PVC 4x0.34 shielded gy 15m

Female straight M12, 4-pole shielded with cable sleeves 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

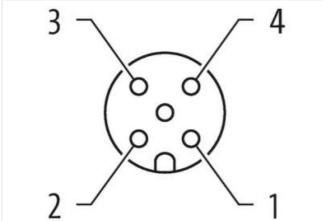
Illustration





N B

3





Product may differ from Image



Cable length

Side 1

15 m

Tightening torque

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: 2024-05-12

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0,6 Nm



Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879200202
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
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
	Niekolod
Coating locking	Nickeled
Coating of fitting Locking material	nickel plated Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	330

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Anount Stranding 1 Stranding Idador min. 74 mm Stranding Idador max. 74 mm Cable shielding (type) copper braid, finned Cable shielding (type) copper braid, finned Cable shielding (type) 65 % Banding Fleece, Foll Wrie arrangement brown, black, blue, while Cable weight 53.9 g/m Matrial jacket 87 CC Shore hardness jacket 85 Shore A Freedom from ingredients (gacket) 16.9 mm Tolerance outer diameter (sheath) 1.5 % Material jacket 9.0 mm Tolerance outer diameter insulation 1.4 rm Outer diameter insulation 1.4 rm Outer diameter insulation 1.5 % Shore hardness wire insulation 1.8 rm Outer diameter insulation 1.4 rm Cardidameter insulation 1.4 rm Cardidameter insulation 1.4 rm Cardidactor vire 0.1 rm Conductor crossection (wire) 0.24 mm ² Material advired (socket) 0.9 V Marx radvoradge (conductor - conduct) 50 V	Jacket Color	gray
Stranding factor min. 74 mm Stranding factor mix. 74 mm Cable shieling (tope) copper braid, timed Cable shieling (coverage) 85 %. Banding Fieeco, Foll wire arrangement brown, black, blue, white Cable weight 53.9 g/m Material jacket 85 Shore A Freedom from ingredents (galxett) lead-free, cantum-free, CPC-free Outer diameter (jacket) lead-free, cantum-free, CPC-free Outer diameter (galxett) is 5 % Material jacket 4 Outer diameter (jacket) is 5 % Material index for insulation 1.4 mm Outer diameter insulation 1.4 mm Outer diameter insulation 1.5 % Material index five) 42 Dameter tolerance core insulation 85 Shore A Ingredient feeness wire insulation 1.4 mm Outer diameter insulation 1.4 mm Outer diameter tolerance core insulation 85 Shore A Ingredient feeness wire insulation 1.8 dFree, cantum-free, CPC-free Amount strands five) 42 Diameter of single wires 0.1 mm Conductor consection (wire) 0.34 mm ² Material conductor venductory Stort A Max rated voltag	Amount stranding	1
Stranding factor max.74 mmCabb shielding (type)copper braid, tinnedCabb shielding (coverage)85 %BandingFleece. Folwirre arrangementbrown, black, blue, whiteCabb weight53.9 g/mMaterial jacketPVCShore hardness jacket85 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter-diameter (jacket)5.9 mmTolerance outer diameter (sheath)± 5 %Material wei insulationPVCAmount Wries4Outer diameter (sheath)± 5 %Shore hardness wei insulation5.9 mmOuter diameter (sheath)± 5 %Shore hardness wire insulation5.8 Shore ATolerance outer diameter (sheath)± 5 %Shore hardness wire insulation5.8 Shore ACutter diameter (solation)1.4 mmOuter diameter of longe wires0.1 mmConductor consection (wire)0.34 mm²Material vering (conductor - conductor)500 VMax. rated voltage (conductor - sonductor)50 V <td>Stranding</td> <td>4 wires twisted</td>	Stranding	4 wires twisted
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil wire arrangement brown, black, blue, while Cable shielding (coverage) 53,9 g/m Material jackt PVC Shore hardness jackal 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material jackt PVC Outer diameter (sheath) ± 5 % Material jackt PVC Shore hardness wire insulation 1,4 mm Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1,4 mm Outer diameter tolerance core insulation 1,5 % Shore hardness wire insulation lead free, cadmium-free, CFC-free Amount strands (wire) 0,34 mm ² Canductor troessection (wire) 0,34 mm ² Conductor vise insulation lead free, cadmium-free, CFC-free Amount strands (wire) 0,44 mm ² Conductor type (wire) <t< td=""><td>Stranding factor min.</td><td>74 mm</td></t<>	Stranding factor min.	74 mm
Cable shielding (coverage) 85 % Banding Fleece, Fol wire arrangement brown, black, blue, white Cable weigth 53.9 g/m Material jackat PVC Shore hardness jackat 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) 5.5 % Material wre insulation PVC Amount wires 4 Outer diameter losalation 1.4 mm Outer diameter losalation 5.5 % Shore hardness wire insulation 1.4 mm Outer diameter losalation 85 Shore A Ingredient Treoness wire insulation 1.4 mm Outer diameter losalation 85 Shore A Ingredient Treoness wire insulation 1.4 mm Conductor vires swire insulation 1.4 mm Conductor vires swire insulation 4.0 Conductor vires swire insulation 4.8 A Conductor vipe (wire) 5 frand deas 6 Max. rated voltage (conductor - onductor) 500 V	Stranding factor max.	74 mm
Banding Fleece, Foll wire arrangement brown, black, blue, white Cable weigh 53.9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer diameter (jacket) 5,9 mm Tolerance outer diameter (gaket) 5,9 mm Tolerance outer diameter (gaket) 1,5 % Material wire insulation PVC Amount wires 4 Outer diameter (gaket) 1,4 mm Outer diameter insulation 1,4 mm Conductor consessection (wire) 0,34 mm² Binnet or Single wires 0,1 mm Conductor try (wire) 1,4 mm² Material conductor wire Strand class 6 Max. rated voltage (conductor- conductor) 500 V Max. rated voltage (conductor- conductor) 500 V Max. rated voltage (wire) 1,5 kV @ 60 s Current	Cable shielding (type)	copper braid, tinned
wire arangement brown, black, blue, white Cable weight 53.9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) 5.9 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 14 4rm Conductor crossection (wire) 0.34 mm² Material conductor vire Stranded copper wire, bare Conductor vire (sigle wires 0.1 mm Conductor vire (sigle conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 <	Cable shielding (coverage)	85 %
Cable weigh 53,9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) 1,6 % Material wire insulation PVC Amount wires 4 Outer diameter (sheath) 1,5 % Shore hardness wire insulation 1,4 mm Outer diameter tolerance core insulation 2,5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor vipe (wire) strand class 6 Max. rated voltage (conductor - orgound) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4	Banding	Fleece, Foil
Material jacket PVC Shore hardness jackat 85 Shore A Freedom from ingredents (jacket) lead-free, cadmium-free, CFC-free Outer diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 16ad-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0.34 mm ³ Conductor vire Strand elass 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (wire - wire) 1.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1.5 kV @ 60 s Power frequency withstand voltage (wire - wir	wire arrangement	brown, black, blue, white
Shore hardness jacket 86 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 1.5 % Material wire insulation PVC Amount wires 4 Outer diameter (solvant) 1.5 % Shore hardness wire insulation 1.4 mm Outer diameter tolerance core insulation 4.5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 4.2 Diameter of single wires 0.1 mm Conductor vossection (wire) 0.34 mm ² Material conductor wire Stranded copper wire, bare Conductor vire (wire) strand class 6 Max. rated voltage (conductor - orgound) 300 V Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 2/km @ 20 °C AC withstand voltage (wire - wire) 1.5 kV @ 60 s Min. operating temperature (sitcl) -30 °C Min. operating temperature (kitcl) 80 °C Operating temperature (min. (wirgmnic) 5 °C Operating temperature (min. (wirgmnic) 5 °C Operating temperature (min. (wirgmnic) 5	Cable weigth	53,9 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) ± 5 % Material wise insulation PVC Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-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 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1.5 kV @ 60 s Ac withstand voltage (wire - wire) 1.5 kV @ 60 s Mix. operating temperature (fixed) 80 °C Operati	Material jacket	PVC
Outer-diameter (jacket)5.9 mmTolerance outer diameter (shealth) \pm 5 %Material wire insulationPVCAmount wires4Outer diameter insulation 1.4 mmOuter diameter tolerance core insulation \pm 5 %Shore hardness wire insulation \pm 5 %Shore hardness wire insulation \pm 5 %Shore hardness wire insulation \pm 5 %Impredient freeness wire insulation \pm 5 %Conductor crossection (wire)42Diameter of single wires0.1 mmConductor rossection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor vireStranded copper wire, bareCurrent load capacity (standy)to DIN VDE 0298-4Current load capacity (standy)to DIN VDE 0298-4Current load capacity (standy)to DIN VDE 0298-4Current load capacity (standy voltage (wire)1.5 kV @ 60 sAc withstand voltage (wire)1.5 kV @ 60 sPower frequency withstand voltage (wire)30 °COperating temperature (static)-30 °CMax. operature (static)-30 °C<	Shore hardness jacket	85 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation 16 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation 16 % Shore hardness wire insulation 16 % Ingredient freeness wire insulation 16 % 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 Max. rated voltage (conductor - oroductor) 500 V Max. rated voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - tipe (T_0 kM @ 20 °C 2 AC withstand v	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 15 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor resossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Ca withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - bield) 1,5 kV @ 60 s Ac withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (statc) -30 °C Ac withstand voltage (wire - shield) 1,5 kV @ 60 s M	Outer-diameter (jacket)	5,9 mm
Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient Freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor rosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Mix. operating temperature min. (fynamic) -5 °C Operating temperature min. (fynamic) -5 °C Operating temperature min. (fynamic) 70 °C Flame resistance Good, application-related testing Glasoline resistance Good, application-rela	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor rosssection (wire) 0.34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strande class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to IN VDE 0298-4 Current load capacity (standard) to IN VDE 0298-4 Current load capacity (win: • wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - inform @ 0.5 V 4.8 A Power frequency withstand voltage (wire - sheld) 1,5 kV @ 60 s Min. operating temperature (fixed) 30 °C Operating temperature (fixed) 80 °C Operating temperature (fixed)	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - ground) 300 V Current load capacity (strandard) to DIN VDE 0298-4 Current load capacity (win, wire 4,8 A	Amount wires	4
Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor cossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - orgound) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Ac withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Outer diameter insulation	1,4 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-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 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - orgound) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (static) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing <	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 Max. rated voltage (conductor - conductor) 500 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wine - wire) 1,5 kV @ 60 s Ac withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (ifxed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance <td>Shore hardness wire insulation</td> <td>85 Shore A</td>	Shore hardness wire insulation	85 Shore A
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 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - insket) 1,5 kV @ 60 s Power frequency withstand voltage (wire - insket) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Qoperating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 <	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature (wine) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60322-22 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN E	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (mixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C 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 Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, applicati	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) 70 °C 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 Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, app	Conductor crosssection (wire)	0,34 mm ²
Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C 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 Go	Material conductor wire	Stranded copper wire, bare
Max. rated voltage (conductor - ground)300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1.5 kV @ 60 sAC withstand voltage (wire - shield)1.5 kV @ 60 sAC withstand voltage (wire - shield)1.5 kV @ 60 sMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Conductor type (wire)	strand class 6
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Max. rated voltage (conductor - conductor)	500 V
Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter	Max. rated voltage (conductor - ground)	300 V
Electrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingOil	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C 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 Good, application-related testing Oil resistance Good, application-related testing Oil resistance S × Outer diameter	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo od, application-related testingOil resistanceSo od od, application-related testingOil resistanceSo od	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Min. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter		1,5 kV @ 60 s
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingStanceSoud, application-related testingOil resistanceSoud, application-related testingStanceSoud, application-related testingOil resistanceSoud, application-related testingStanceSouter diameter	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C 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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 70 °C 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 Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Max. operating temperature (fixed)	80 °C
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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
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	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil 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) 15 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	15 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: 2024-05-12

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