

## M12 male 90° A-cod. with cable shielded

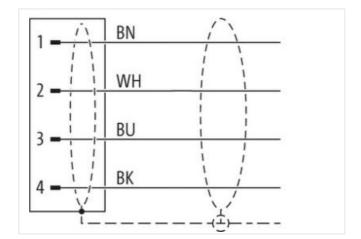
PUR 4x0.34 shielded gy 7.5m

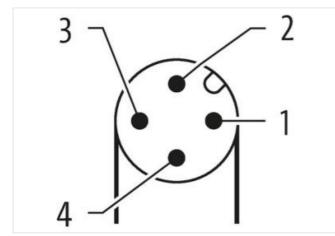
Male 90° M12, 4-pole shielded A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

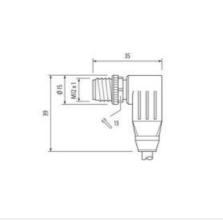
## Link to Product

Illustration









Product may differ from Image



Cable length

Side 1

7,5 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: 2024-05-17

0,6 Nm

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Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
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	4048879200592
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	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	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	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

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Nate naminalishProduct berowned paramate bording rub when garded s. a.g. byte naged of paramate bording rub when garded s. a.g. byte naged of paramate bording rub when garded s. a.g. byte naged of paramate bording rub when garded s. a.g. byte naged of paramate bording rub when garded s. a.g. byte naged of paramate bording rub when garded s. a.g. byte naged of paramate bording rub when garded s. a.g. byte naged of paramate bording rub when garded s. a.g. byte naged of paramate bording rub when garded s. a.g. byte naged bording rub when garded s. a.g. byt	Important installation notes	
decingency depressive banding forces.	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard     DNE N6 8078 2-101 (M12)       Installation (Cable       Cable identification     331       Cable identification     gray       Amount Stranding     1       Stranding     4 wise s world       Branding     4 wise s world       Branding     Fleece, Foll       wire arrangement     brown, black, blue, white       Matarial jacki     PUR       Standing facility     5.5 Shore A       Freedom from ingreedints (schell)     5.5 Shore A       Freedom four ingreedints (schell)     5.9 mm       Tolerance outer diameter (fachell)     5.9 Sine A       Freedom four ingreedints (schell)     970       Cabre diameter insulation     PVC       Cabre diameter insulation     PVC       Card diameter insulation     1.4 mm       Card diameter insulation     8.5 Shore A       Shore hardness wire insulation     8.5 Shore A       Card diameter insulation     1.4 mm       Card diameter insulation     8.5 Shore A       Shore hardness wire insulation     8.5 Shore A       Card dinster insulation     9.5 %	Note on bending radius	
Institution ( Cable       Cable icolinitation     311       Cable icolinitation     913       Stand Colin     914       Standing     1       Standing     1       Standing     1       Standing     1       Matoral jacket     Down, black, blie, while       Matoral jacket     85 ± 5 Shoe A       Freadom torm ingredients (jacket)     85 ± 5 Shoe A       Freadom torm ingredients (jacket)     59 mm       Order diameter (stephat)     ± 5 %       Material nore (jacket)     59 mm       Cable (interg tacket)     59 mm       Cable (interg tacket)     70 mm       Cable (interg tacket)     85 ± 5 Shore A       Ingredient (internes tacket)     85 ± 5 Shore A	Conformity	
Cable identification     331       Jacket Color     gray       Annout stranding     1       Stranding     4 wires kwisted       Banding     Floece, Foll       wire arrangement     brown, black, blue, white       Material jacket     PUF       Shore hardness jacket     PUF       Floece, Foll     site 5 \$ Shore A       Floedom from ingredients (jacket)     lead free, cadmium free, CFC free, silicone free       Outer diameter (gacket)     5 \$ mn       Tolerance outer diameter (shatt)     5 \$ %       Material inner jacket     PVC       Color (mer jacket)     gray       Material wire insulation     1.4 mn       Outer diameter insulation     1.4 mn       Outer diameter insulation     1.4 S %       Shore hardness wire insulation     1.4 S %       Shore hardness wire insulation     1.4 S %       Conductor transection insulation     1.4 S %       Shore hardness wire insulation     1.4 S %       Shore hardness wire insulation     1.4 S %       Conductor transection insulation     1.4 S %       Conductor transectin insulation	Product standard	DIN EN 61076-2-101 (M12)
Cable identification     331       Jacket Color     gray       Annout stranding     1       Stranding     4 wires kwisted       Banding     Floece, Foll       wire arrangement     brown, black, blue, white       Material jacket     PUF       Shore hardness jacket     PUF       Floece, Foll     site 5 \$ Shore A       Floedom from ingredients (jacket)     lead free, cadmium free, CFC free, silicone free       Outer diameter (gacket)     5 \$ mn       Tolerance outer diameter (shatt)     5 \$ %       Material inner jacket     PVC       Color (mer jacket)     gray       Material wire insulation     1.4 mn       Outer diameter insulation     1.4 mn       Outer diameter insulation     1.4 S %       Shore hardness wire insulation     1.4 S %       Shore hardness wire insulation     1.4 S %       Conductor transection insulation     1.4 S %       Shore hardness wire insulation     1.4 S %       Shore hardness wire insulation     1.4 S %       Conductor transection insulation     1.4 S %       Conductor transectin insulation		
Jacket Color     gray       Amount stranding     1       Stranding     4 wise stratade       Branding     Fleese, Foil       wite strandnese     brown, black, blue, white       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedon from ingedenths (jacket)     Isa 5 v. canditum-free, CPC-free, silicone-free       Outer-diameter (jacket)     5,9 mm       Tolerance outer diameter (beath)     ± 5 %       Material lance jacket     PVC       Color (mer jacket)     gray       Material lance jacket)     PVC       Colar diameter insulation     1,4 mm       Outer diameter insulation     1,4 mm       Outer diameter insulation     85 ± 5 Shore A       Ingredient freemess wire insulation     1,4 mm       Conduct fory (wire)     42       Damout strand, (wire)     42       Damout strand, (wire)     42       Damout strand, (wire)     42       Damout strand, (wire)     5%       Strand avoltage (conductor - wire)     5%       Conduct fory (wire)     51 franded copper wire, bare		004
Amount stranding     1       Stranding     4 wires twisted       Bandring     Fleece, Foll       wire strangement     brown, black, blue, white       Material jacket     PUR       Stranding     65 1 5 Shore A       Freedom from ingredients (jacket)     68 1 5 Shore A       Colder -diameter (jacket)     5 9 m       Outer -diameter (jacket)     5 9 %       Material iner (jacket)     9 5 %       Material iner (jacket)     9 0 %       Outer diameter (sheath)     2 5 %       Material iner (jacket)     9 VC       Outer diameter (sheath)     9 5 %       Shore hardness wire insulation     1,4 nm       Outer diameter (sheath)     8 5 %       Shore hardness wire insulation     8 5 %       Shore hardness wire insulation     8 5 %       Discher hardness wire insulation     8 5 %       Conductor prove insulation     8 5 %       Conductor trigge wires     0.1 mm       Conductor trigge wires     0.1 mm       Conductor trigge wires     0.3 mm!       Conductor trigge wires     0.3 mm!       C		
Stranding     4 wires twisted       Banding     Fleece, Foll       Wire arrangement     brow, black, blue, white       Material jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     5.9 mm       Toleraneo cuter diameter (jacket)     5.9 mm       Toleraneo cuter diameter (jacket)     9.7 %       Material inter (jacket)     9.7 %       Color (mer jacket)     9.7 %       Material inter insulation     PVC       Color (mer jacket)     9.7 %       Material wire insulation     PVC       Annourt wires     4       Outer diameter insulation     1.5 %       Shore hardness wire insulation     85 ± 5 Shore A       Ingredient freeness wire insulation     85 ± 5 Shore A       Ingredient freeness wire insulation     16 ± %       Conductor crosssection (wire)     0.1 mm       Conductor vipe (wire)     strand copper wire, bare       Conductor vipe (wire)     strand copper wire, bare       Conductor vipe (wire)     strand copper wire, bare       Conductor vipe (wire)     57 \De Ma 25 °C       Max: radov voltage (conductor - conductor)     350 V		
Banding     Fleece. Foll       wire arrangement     brown. black.blue, white       Material jackat     PUR       Shore hardness jackat     85 ± 5 Shore A       Freedom from ingredients (jacket)     5.9 mm       Outer diameter (jacket)     5.9 mm       Tolerance outer diameter (sheath)     ± 5 %       Material inner jackat     PVC       Color (inner jackat)     9 ary       Material inner jackat     PVC       Annount wires     4       Outer diameter insulation     1.4 mm       Outer diameter insulation     1.4 mm       Outer diameter insulation     8.5 ± 5 Shore A       Ingredient freeness wire insulation     8.5 ± 5 Shore A       Ingredient freeness wire insulation     1.4 mm       Outer diameter insulation     1.4 mm       Conductor missessection (wire)     3.2 af mm²       Diameter of single wires     0.1 mm       Conductor vires escenterin wire, bare     Conductor vires escenterin (wire)       Theversing diffactor + constant wire     57 Okm @ 26 °C       Max: rade voltage (conductor - constant wire     57 Okm @ 26 °C       Max: raded voltage (conductor - cons		
wire arrangament     brown, black, blue, while       Material jocket     PUR       Shore hardness jacket     85: 55 Shore A       Freedom from ingrodients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5:9 mm       Toerance outer dameter (phatel)     1:5 %       Material wire insulation     PVC       Color (mne jacket)     gray       Material wire insulation     1:4 mm       Outer diameter insulation     1:4 mm       Outer diameter insulation     1:4 mm       Outer diameter insulation     1:5 %       Shore hardness wire insulation     1:5 %       Shore hardness wire insulation     1:5 %       Outer diameter tolerance core insulation     1:5 %       Shore hardness wire insulation     1:6 4 cm       Outer diameter insulation     1:4 mm       Outer diameter wire insulation     1:4 mm       Outer diameter wire insulation     1:4 mm       Outer diameter insulation     1:4 mm       Outer diameter wire insulation     1:5 %       Biner diamoductor wire     0:1 mm       Conductor consesterion (wire)     0:1 m		
Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     Iead free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     5.9 mm       Tolerance outer diameter (jacket)     5.9 mm       Material inner jacket     PVC       Color (inner jacket)     gray       Material wein isulation     PVC       Color (inner jacket)     gray       Material wein isulation     PVC       Color diameter isulation     1.4 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wie insulation     185 ± 5 Shore A       Shore hardness wie insulation     184 ± 5 %       Material conductor view is insulation     184 ± 5 %       Conductor consessetion (wire)     0.34 mm²       Conductor view is insulation     184 ± 5 %       Material conductor view     Stranded copper wire, bare       Conductor view is attained to soper wire, bare     Conductor view       Conductor view is attained comper wire, bare     Conductor view       Conductor view     Stranded copper wire, bare       Conductor view is attained voltage (conductor - conductor)		
Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     ± 5 %       Material inner jacket     PVC       Color (inner jacket)     gray       Material inner jacket     PVC       Color (inner jacket)     gray       Material vire insulation     PVC       Amount wires     4       Outer diameter insulation     1.4 mm       Outer diameter insulation     85.1 5 Shore A       Ingredient freeness wire insulation     85.1 5 Shore A       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     42       Dameter of single wires     0.1 mm       Conductor rossection (wire)     0.34 mm <sup>2</sup> Conductor roy (wire)     Strand cosper wire, bare       Conductor roy (wire)     Strand cosper wire, bare       Canductor roy (wire)     Strand Cosper wire, bare		
Freedom from ingredients (jacket)     lead free, cadmium-free, CFC free, silicone-free       Outer-diameter (jacket)     5.9 mm       Tolerance outer diameter (sheath)     5.9 km       Material inner jacket     PVC       Color (inner jacket)     gray       Material viner jacket)     gray       Material vine resultation     1.4 mm       Outer diameter insulation     1.4 mm       Outer diameter insulation     1.4 mm       Outer diameter insulation     85 ± 5 Shore A       Ingredient freeness wire insulation     1ed Aree, cadmium-free, CFC-free, silicone-free       Amount stands (wire)     42       Dameter of single wires     0.1 mm       Conductor crosssection (wire)     0.34 mm <sup>3</sup> Material conductor wire     Stranded copper wire, bare       Conductor previne)     stranded copper wire, bare       Conductor previne)     stranded cosper wire, bare       Conductor resultation     to m @ 25 °C       Max. rated voltage (conductor - onguctor)     350 V       Max. rated voltage (conductor - onguctor)     360 V       Current load capacity (standard)     to DIN VDE 0298 4       Current load capacity min. wir		
Outer diameter (jacket)     5,9 mm       Tolerace outer diameter (sheath)     ± 5 %       Material iner jacket     PVC       Color (inner jacket)     gray       Material iner jacket     PVC       Amount wise     4       Outer diameter insulation     1,4 mm       Outer diameter core insulation     ± 5 %       Shore hardness wire insulation     85 ± 5 Shore A       Ingredient freeness wire insulation     16ad-free, cadmium-free, CFC-free, silicone-free       Amount wires     4       Conductor crosssection (wire)     0,1 mm       Conductor vice sessection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vice (C-track)     6 m @ 25 °C       Max. rated voltage (conductor - conductor)     300 V       Current tool acquacity (standard)     to DIN VDE 0298-4       Curent tool acquacity min	-	
Tolarance outer diameter (sheath)   ± 5 %     Material inner jacket   PVC     Color (inner jacket)   gray     Material inner isulation   PVC     Amount wriss   4     Outer diameter insulation   1,4 mm     Outer diameter insulation   1,5 %     Shore hardness wire insulation   1,4 mm     Outer diameter insulation   1,4 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 vigoe (wire)   0,34 mm²     Conductor vigoe (wire)   0,34 mm²     Conductor vigoe (wire)   0,34 mm²     Conductor vigoe (wire)   5 m @ 25 °C     Max. rated voltage (conductor - conductor)   350 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)   2 kV @ 60 s     Power frequency withstand voltage (wire - shield)   1,5 KV @ 60 s     Power frequency withstand voltage (w		
Material inner jacket     PVC       Color (mer jacket)     gray       Material wire insulation     PVC       Amount wires     4       Outer diameter insulation     1.4 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     5 ± 5 Shore A       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount stands (wire)     42       Diameter of single wires     0.1 mm       Conductor crosssection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor 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       Max. rated voltage (conductor - conductor)     350 V       Max. rated voltage (conductor - conductor)     350 V       Current load capacity (standard)     to DIN VDE 0282-4       Current load capacity (standard)     to DIN VDE 0282-4       Current load capacity min. wire     4,8 A       Electrical resistance line constant wire		
Color (inner jacket)     gray       Material wire insulation     PVC       Amount wires     4       Outer diameter insulation     1.4 mm       Outer diameter insulation     ± 5 %       Shore hardness wire insulation     85 ± 5 Shore A       Ingredient freeness wire insulation     68 ± 5 Shore A       Ingredient freeness wire insulation     64 ± 2       Dameter of single wires     0.1 mm       Conductor cossescion (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       Max. rated voltage (conductor - conductor)     350 V       Max. rated voltage (conductor - conductor)     350 V       Max. rated voltage (conductor - conductor)     350 V       Max. rated voltage (conductor - conductor)     300 V       Current load capacity (standard)     to DIN VDE 0296.4       Current load capacity (standard)     to DIN VDE 0296.4       Current load capacity (standard)     to DIN VDE 0296.4       Conductor type (wire)     2 kV @ 60 s       Power frequency withstant voltage (wire - \$10 km @ 20		
Material wire insulation     PVC       Amount wires     4       Outer diameter insulation     1.4 mm       Outer diameter insulation     1.5 %       Shore hardness wire insulation     85 ± 5 Shore A       Ingredient freenees wire insulation     1ead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor crosssection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Max. rated voltage (conductor - conductor)     300 V       Current load capacity (standard)     DIN DIN DE 0298-4       Current load capacity (standard)     DIN VED 0298-4       Curent load	·	
Amount wires 4   Outer diameter insulation 1.4 mm   Outer diameter insulation ± 5 %   Shore hardness wire insulation 85 ± 5 Shore A   Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free   Amount strands (wire) 42   Diameter of single wires 0.1 mm   Conductor crossection (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   Max, rated voltage (conductor - conductor) 350 V   Max, rated voltage (conductor - conductor) 300 V   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity (wire - site) 2 kV @ 60 s   Power frequency withstand voltage (wire - site) 2 kV @ 60 s   Row withstand voltage (wire - site) 1.5 kV @ 60 s   Min. operating temperature (iscuto) 30 °C   Operating temperature (i		
Outer diameter insulation     1,4 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     85 ± 5 Shore A       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-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       Max. rated voltage (conductor - conductor)     350 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)     2 kV @ 60 s       Min. operating temperature (stract)     30 °C       Max. operating temperature (stract)     30 °C       Max. operating temperature (stract)     30 °C       Min. operating temperature (stract)     30 °C       Min. operating temperature (stract)     30 °C       Min. operating temperature (stract)     30 °C		
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     85 ± 5 Shore A       Ingredient treeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0.1 mm       Conductor crossection (wire)     0.34 mm?       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Max. rated voltage (conductor - ground)     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - ground)     2 kV @ 60 s       Power frequency withstand voltage (wire - shield)     1,5 kV @ 60 s       Min. operating temperature (static)     -30 °C       Max. operating temperature (static)     -30 °C       Max. operating temperature (static)     -5 °C       Operating temperature (static)     -30 °C       Max. operating temperature (static)     -30 °C       Max. operating temperature (static)     -5 °C       Operating temperature max. (dynamic)		
Shore hardness wire insulation 85 ± 5 Shore A   Ingredient freeness wire insulation lead-free, cadmium-free, CFC-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   Max. rated voltage (conductor - conductor) 350 V   Max. rated voltage (conductor - conductor) 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 ΩKm @ 20 °C   AC withstand voltage (wire - wire) 2 kV @ 60 s   Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s   Min. operating temperature (static) -30 °C   Max. operating temperature (static) -30 °C   Max. operating temperature max. (dynamic) -5 °C   Operating temperature (static) -30 °C   Fiam resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090   chemical resistance Good, application-related testing   Gasoline resistance Good, application-related testing   Gasoline resistance Good, application-related testing </td <td></td> <td>·</td>		·
Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-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     Max. rated voltage (conductor - conductor)   350 V     Max. rated voltage (conductor - conductor)   350 V     Max. rated voltage (conductor - conductor)   300 V     Current load capacity (standard)   to IN VDE 0298-4     Current load capacity (standard)   to KW @ 60 s     Ac withstand voltage (wire - shield)   1.5 kV @ 60 s     Ac withstand voltage (wire - shield)   1.5 kV @ 60 s		
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   Max. rated voltage (conductor - conductor) 350 V   Max. rated voltage (conductor - conductor) 300 V   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity (standard) to N C   Ac withstand voltage (wire - shield) 1,5 kV @ 60 s   Max. ope		
Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Max. rated voltage (conductor - conductor)     350 V       Max. rated voltage (conductor - orground)     300 V       Current Load capacity (standard)     to DIN VDE 0298-4       Current Load capacity (standard)     to NUT @ 00 °C       AC w		
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CMax. rated voltage (conductor - conductor)350 VMax. rated voltage (conductor - conductor)300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 C/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMax. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   EC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGoo		
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CMax. rated voltage (conductor - conductor)350 VMax. rated voltage (conductor - ground)300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - acket)2 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMax. operating temperature (fixed)80 °COperating 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 resistanceGood, application-related testingDin so Luter diameterBending rad	Conductor crosssection (wire)	0.34 mm <sup>2</sup>
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CMax. rated voltage (conductor - conductor)350 VMax. rated voltage (conductor - ground)300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 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 resistanceGood, app		
Max. rated voltage (conductor - conductor)   350 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)   2 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2 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, applic	Conductor type (wire)	strand class 6
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)   2 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2 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     Qoperating temperature (mixed)   80 °C     Operating temperature max. (dynamic)   -5 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Bending radius (installation)   x Outer diameter <td>Traversing distance (C-track)</td> <td>5 m @ 25 °C</td>	Traversing distance (C-track)	5 m @ 25 °C
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)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 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 resist	Max. rated voltage (conductor - conductor)	350 V
Current load capacity min. wire   4,8 A     Electrical resistance line constant wire   57 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)   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   Good, application-related testing     Di resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Di vouter diameter   Bendi	Max. rated voltage (conductor - ground)	300 V
Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 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 resistanceSouter diameterBending radius (fixed) <t< td=""><td>Current load capacity (standard)</td><td>to DIN VDE 0298-4</td></t<>	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2 kV @ 60 s     AC 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 (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   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   15 x Outer diameter		4,8 A
Power frequency withstand voltage (wire - jacket)2 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 testingDifficult (installation)x Outer diameterBending radius (installation)10 x Outer diameterBending radius (dynamic)15 x Outer diameter	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)2 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature (mixed)80 °COperating temperature max. (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 testingDi resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceSouter diameterBending radius (installation)x Outer diameterBending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer diameter	AC withstand voltage (wire - wire)	2 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 resistanceIntervention of the state of the		2 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 testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer 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     Bending radius (installation)   x Outer diameter     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   15 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     Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (installation)   x Outer diameter     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   15 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     Oil resistance   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   15 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 (installation)   x Outer diameter     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   15 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 (installation)   x Outer diameter     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   15 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 (installation)   x Outer diameter     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   15 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter   Bending radius (fixed) 10 x Outer diameter   Bending radius (dynamic) 15 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter   Bending radius (dynamic) 15 x Outer diameter	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic) 15 x Outer diameter	Bending radius (installation)	x Outer diameter
	Bending radius (fixed)	10 x Outer diameter
Travel speed (C-track) 0,1 Mio. @ 25 °C	Bending radius (dynamic)	15 x Outer diameter
	Travel speed (C-track)	0,1 Mio. @ 25 °C

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: 2024-05-17

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