

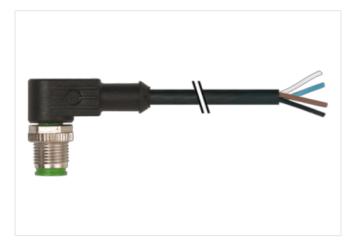
M12 male 90° A-cod. with cable

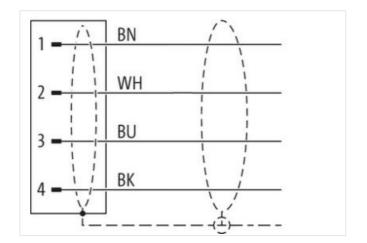
PUR 4x0.34 bk UL/CSA+drag ch. 12.5m

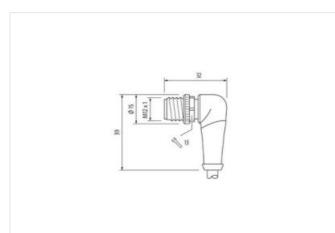
Male 90° M12, 4-pole with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

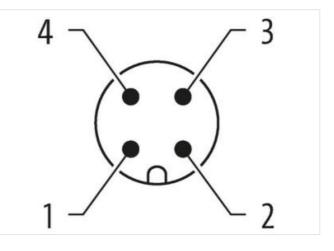
Link to Product











Product may differ from Image



Cable length	12,5 m	
Side 1		
Tightening torque	0,6 Nm	

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Mounting method	inserted, screwed	
Family construction form	M12	
Thread	M12 x 1	
suitable for corrugated tube (internal Ø)	10 mm	
Coding	A	
Material	PUR	
Width across flats	SW13	
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
Commercial data		
ECLASS-6.0	27279218	
ECLASS-7.0	27279218	
ECLASS-8.0	27279218	
ECLASS-9.0	27060311	
ETIM-5.0	EC001855	
customs tariff number	85444290	
GTIN	4065909049143	
Packaging unit	1	
Electrical data Supply		
Operating voltage AC max.	250 V	
Operating voltage DC max.	250 V	
Operating voltage AC (UL-listed)	30 V	
Operating voltage DC (UL-listed)	30 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	2,5 kV	
Material group (IEC 60664-1)	I	
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 ℃	
Operating temperature min.	-25 °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		
Dread unit at a read and	DIN EN 61076-2-101 (M12)	
Product standard		
Installation Cable		
	brown, black, blue, white	

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Jacket Color black Type of Cellficate URue Anount stranding URUe URUE Stranding U	Cable Type	3
Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, while Cable weight 36.3 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedem from ingredents (jacket) lead-free, cadmum-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) ± 5 %. Material jacket PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.5 fm Shore hardness wire insulation 1.5 Shore D Ingredient freemess wire insulation 1.5 Shore D Ingredient freemess wire insulation 1.6 Shore D Material conductor wire 0.1 mm Conductor rosessection (wire) 0.24 mm ³ Material ord/uctor wire Stranded capper wire, bare Conductor wire		black
Stranding 4 wires twisted wire arrangement brown, black, blue, while Cable weigh 36,3 g/m Material jacket 90 ± 5 Shore A Freedom from ingredents (jacket) 16 ± 5 Kore A Freedom from ingredents (jacket) 4.5 mm Cuter-diameter (jacket) 4.5 mm Telerance outer diameter (steath) ± 5 % Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter wire insulation 1.25 mm Outer diameter insulation 1.26 mm Outer diameter insulation 1.26 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.26 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation	Type of Certificate	cURus
wire arrangement brown, black, blue, white Cable weight 06.3 g/m Material jacket PUR Shore hardness jackat 90.1.5 Shore A Freedom from Ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 1.5 Nm Tolerance outer diameter (sheath) 1.5 Nm Amount Wies 4 Outer diameter insulation PP Amount Wies 4 Outer diameter insulation 1.25 rm Outer diameter insulation 1.4 S Nore D Ingredient Teeness wire insulation 1.9 S Nore D Outer diameter insulation 1.9 S Nore D Material conductor wire 0.1 mm Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current toad capapity (Min. Wie 4.8 A Electrical resistance line constant wire 57 C/Rm @ 20 °C AC with tand	Amount stranding	1
Gable weigh 36.3 g/m Material jacket PUR Shore hardness jacket 91.4 5 Shore A Freedom from ingredents (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Outer diameter (installion 9.7 % Amount wires 4 Outer diameter (installion 1.25 mm Outer diameter installion 1.25 mm Outer diameter vie insulation 1.5 % Shore hardness wire insulation 1.25 mm Outer diameter vie insulation 1.25 mm Darker diameter (view resulation 1.25 shore D Ingredent freeness wire insulation 1.25 shore D Ingredent freeness wire insulation 1.25 mm Conductor yer wire insulation 1.25 mm Conductor yer wire shore 0.1 mm Conductor yer wire insulation 0.34 mm ⁴ Material ordubuctor wire Stranded copper wire, bare Conductor yer (wire) stranded copper wire, bare Conductor yer (wire) stranded copper wire, bare Conductor yer (wire) stranded copper wire, bare	Stranding	4 wires twisted
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedon from ingrediunts (jacket) 16 ad free, cadmium-free, CPC-free, halogen-free Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Normat Stand Stress 0.1 mm Conductor crosssection (wire) 42 Diameter of single wires 0.1 mm Conductor vises Stranded copper wire, bare Conductor vise Stranded copper wire, bare Conductor vises Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor vises Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor vises Stranded copper wire, bare Context wire Stranded copp	wire arrangement	brown, black, blue, white
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter (sheath) ± 5 % Material wire insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires 0.1 mm Conductor crossesaction (wire) 0,34 mm² Diameter of singer wires 0.1 mm Conductor crossesaction (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor vise Stranded copper wire, bare Conductor vise (ketandard) 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 Current load capacity (standavoltage (wire - wire) 2,5 kV @ 60 s <td>Cable weigth</td> <td>36,3 g/m</td>	Cable weigth	36,3 g/m
Freedom from Ingredients (jacket) lead-frae, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 4,5 mm Order-diameter (jacket) 4,5 mm Dotarce outer diameter (jacket) 2,5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 1,5 % Store hardness wire insulation 70 ± 5 Shore D Ingredient freeses wire insulation 162 % Diameter of single wires 0,1 mm Conductor or single wires 0,1 mm Conductor vires Stranded copper wire, bare Conductor vires Stranded copper w	Material jacket	PUR
Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) 15 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 10 % Shore hardness wire insulation 12 % Diameter of single wires 0,1 mm Conductor rope (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor rope (wire) strand class 6 Nominal voltage AG max. 300 V Current load capacity (standard) to DIN VDE 0296.4 Current load capacity (standard) to DIN VDE 0296.4 Current load capacity (wire - wire) 2,5 kV @ 60 s Prever frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Diverting temperature (static)<	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) \pm 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter colerance core insulation \pm 5 % Shore hardness wire insulation \pm 5 % Shore hardness wire insulation $70 \pm$ 5 Shore D Ingredient freeness wire insulation $70 \pm$ 5 Shore D Ingredient freeness wire insulation $70 \pm$ 5 Shore D Conductor corsess wire insulation $70 \pm$ 5 Shore D Conductor corsess wire insulation 42 Diameter of single wires 0.1nm Conductor corsess wire insulation 0.34nm^2 Conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 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 ine constant wire 57 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s jacket)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation 1 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 % Shore hardness wire insulation 16 ± 5 % Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm³ Material conductor wire Stranded copper wire, bare Conductor vires Stranded copper wire, bare Conductor vire (wire) 0,34 mm³ Conductor vire (wire) stranded copper wire, bare Conductor vire (wire) stranded copper wire, bare Conductor vire (wire) stranded copper wire, bare 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 Carrent	Outer-diameter (jacket)	4,5 mm
Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossesction (wire) 0,34 mm ³ Conductor type (wire) strandel copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 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 O.km @ 20 °C Ac withstand voltage (wire - wire) 2.5 kV @ 60 s Min. operating temperature (stalc) -40 °C Max. operating temperature (stalc) -40 °C Max. operating temperature (stalc) -40 °C Max. operating temperature (stalc) -40 °C Min. operating temperature (stalc) -60 °C 90 0000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Impredient 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 vire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0280-4 Current load capacity (standard) to DIN VDE 0280-4 Current load capacity (standard) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ire) 2,5 kV @ 60 s Min	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 %. Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - data to be 0° C / 90 °C @ 10000 h Operation 0peration Operating temperature (static) -40 °C Max. operating temperature (static) -50 °C @ 00000 h Operation UV resistance UI 1881 § 1090 J IEC 6	Amount wires	4
Shore hardness wire insulation 70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crossection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2,5 KV @ 60 sPower frequency withstand voltage (wire - ask)2,5 KV @ 60 sPower frequency withstand voltage (wire - ask)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISQ 4892-2 AFlame resistanceGood, application-related testingGaoline resistanceGood, application-related testingGood, application-related testingCond capacity (stranded)Oil resistanceGood, application-related testingOll resistanceGood, application-related testingGaoline resistanceGood, application-related testingOll resistanceGood, application-related testingOll resistanceGood, application-related testingOll resistanceGood, application-related testingDin Ko tid mameterS × Outer diameter<	Outer diameter insulation	1,25 mm
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 or sossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 029-4 Contrastic for constant wire 5.7 0/km @ 20 °C Ac withstand voltage (wire - wire) 2.5 kV @ 60 s <td< td=""><td>Outer diameter tolerance core insulation</td><td>±5%</td></td<>	Outer diameter tolerance core insulation	±5%
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 type (wire) strand class 6 Nominal voltage AC max. 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) 2.5 kV @ 60 s Power frequency withstand voltage (wire - 2.5 kV @ 60 s Power frequency withstand voltage (wire - 4.8 A Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Viresistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 [IEC 60322-2.2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing OIl resistance Good, application-related testing ID EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) <	Shore hardness wire insulation	70 ± 5 Shore D
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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57.0/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - acket) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature min. (dynamic) -26 °C V resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gardine resistance Good, application-related testing DIN EN IS0 4892-3 Bending radius (fixed) 5 x Outer diameter <	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 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) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ack with stand voltage (wire - wire)) 2,5 kV @ 60 s Material temperature min. (dynamic) 40 °C 40 °C Material temperature min. (dynamic) -25 °C 0 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A 10 In Stang ack with stand stang @ 00 °C @ 1000 h Operation Flame resistance Good, application-related testing <td>Amount strands (wire)</td> <td>42</td>	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 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) 2.5 kV @ 60 s Power frequency withstand voltage (wire - ispectrum) 2.5 kV @ 60 s Power frequency withstand voltage (wire - ispectrum) 2.5 kV @ 60 s Operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-22 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oll resistance Good, application-related testing Oll resistance Good, application-r	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Nominal voltage AC max.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 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - iacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing<	Conductor crosssection (wire)	0,34 mm ²
Nominal voltage AC max. 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) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing dist	Material conductor wire	Stranded copper wire, bare
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) 2,5 kV @ 60 s Power frequency withstand voltage (wire - account with the standard voltage (with with the standard voltage (with with the standard voltage (with the standard voltage (with with the standard voltage (with the standard voltage (with the s	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (min. (dynamic)) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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 (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Traversing distance (C-track) 3 m/s @ 25 °C No. of torsi	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 EC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Travel speed (C-track) 3 m/s @ 25 °C	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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 No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m <td>AC withstand voltage (wire - wire)</td> <td>2,5 kV @ 60 s</td>	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		2,5 kV @ 60 s
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin v Outer diameterBending radius (fixed)Bending radius (dynamic)10 x Outer diameterBending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
UV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Flame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
Oil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	No. of bending cycles (C-track)	
No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Traversing distance (C-track)	10 m @ 25 °C horizontal
Torsion stress ± 180 °/m	Travel speed (C-track)	3 m/s @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

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: 2024-05-19

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