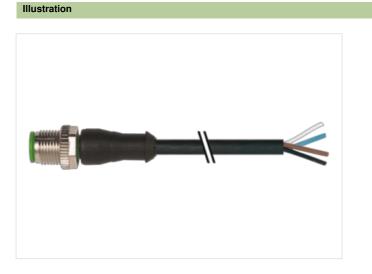


## M12 male 0° A-cod. with cable

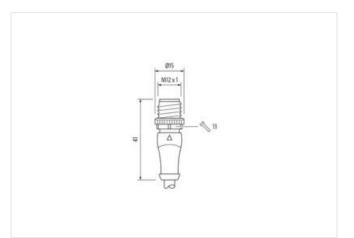
PUR 4x0.34 bk UL/CSA+drag ch. 0.2m

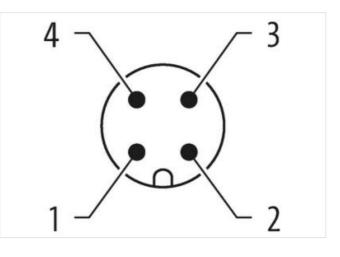
Male straight M12, 4-pole with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product









Product may differ from Image



Cable length	0,2 m	
Side 1		
Tightening torque	0,6 Nm	

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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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	
	07070040
ECLASS-6.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-8.0 ECLASS-9.0	27279218
	27060311
ECLASS-10.1 ECLASS-11.1	27060311 27060311
ECLASS-11.1 ECLASS-12.0	
ECLASS-12.0 ETIM-5.0	27060311 EC001855
customs tariff number	85444290
GTIN	4048879846585
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)	_,
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
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)

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Cable Indentification634Cable Type3Jackot ColorblackType of CarllicaleC/HusAnount stranding1Stranding4 wires twittedWires arrangementboow, black, blue, witheCable weight96.3 grmMaterial jacket90 f 5 Shore AFreeder Them Ingredients (ackel)80 f 75. Shore AFreeder Them Ingredients (ackel)4.5 rmTolerance subset (ackel)4.5 rmTolerance subset (ackel)4.5 rmTolerance subset (atmater (heater)5 %Amount stranding wei insulationPPArrount stranding wei insulation1.25 rmOuter damater (atmater insulation1.25 rmOuter damater (atmater insulation1.25 rmOuter damater (atmater insulation1.25 rmOuter damater insulation7.0 1.5 Shore DFreeder Wei insulation7.0 1.5 Shore DShore hardness wei insulation7.0 1.5 Shore DArrount strandis (wei)4.4Quanter of single wines0,1 rmContract dimeter (heater)0.54 rm²Contract dimeter (heater) </th <th>wire arrangement</th> <th>brown, black, blue, white</th>	wire arrangement	brown, black, blue, white
Jackat Cobr         black           Type of Cartificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigh         36 g/m           Material jacket         PUR           Shone hardnese jacket         PUR           Shone hardnese jacket         PUR           Outer diameter (stacket)         4.5 mm           Tolerance outer diameter (stacket)         4.5 mk           Outer diameter (stacket)         5 %           Material quarter (stacket)         1.5 %           Material wei insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         7.0 5 Shore D           Tingridemt treeness wire insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter (stacket)         0.34 mm²           Material single wires         0.1 mm           Conductor rype (wire)         Strand class 6           Nomini valtage AC max.         300 V           Current lacd capacity (standard)         10.10 VUE C398.4           Current lacd capacity (standard)         10.01 VUE C398.4	Cable identification	634
Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigh         58.3 g/m           Material jackot         PUR           Strone hardness jackat         90.5 Shore A           Freedom from ingedients (tackat)         4.5 mm           Colar-ander (tackat)         4.5 mm           Colar-ander (tackat)         4.5 mm           Colar-ander (tackat)         4.5 %           Amount Wros         4           Outer diameter (tackat)         1.5 %           Amount Wros         4           Outer diameter insulation         1.25 mn           Outer diameter insulation         1.25 mn           Outer diameter insulation         1.25 mn           Outer diameter insulation         1.25 km           Shore hardness wire insulation         1.25 km           Conductor type (wire)         4.2           Diameter of insplay wires         0.1 mm           Conductor type (wire)         Standed copper wire, bare           Conductor type (wire)         standed copper wire, bare           Conductor type (wire)         5.3 kM @ 0.7 C           Conductor ty	Cable Type	3
Amount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         Cable weight       36.3 g/m         Material jackott       PUR         Stranding       4.5 Shore A         Freedom from ingredients (jacket)       lead-free, caffuurn-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       2.5 %         Material wei insulation       PP         Amount wires       4         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 free         Outer diameter insulation       1.25 Shore D         Ingredient feeness wire insulation       1.25 Shore D         Mount strands (wire)       42         Dameter tolerance core insulation       1.25 Shore D         Ingredient feeness wire insulation       lead-free, cantinum-free, CFC free, halogen free, silicone free         Manuet strands (wire)       0.1 mm         Conductor orossection (wire)       0.34 mm?         Material conductor wire       Strand dec copen wire, bare         Conductor vires (wire)       0.34 mm?         Material donabage (wire - wire)       2.5 KW @ 60 s         Normical dapacity (intr, wire)       4.8 A         Curr	Jacket Color	black
Stranding         4 wires twisted           wire arrangement         brown, black, bloe, write           Cable weigh         36.3 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4.5 mm           Tolerance outer diameter (jacket)         ± 5 %           Material visit visitation         PP           Amount wires         4           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         125 mm           Outer diameter of single wires         0,1 mm           Conductor wire         Stranded copper wire, bare	Type of Certificate	cURus
wire arrangement         brown, black, blue, white           Cable weigh         36.3 g/m           Material jacket         PUR           Shore hardness jacket         90 : 5 Shore A           Freedom from ingredents (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.5 mm           Tolerance outer diameter (isleath)         1 : 5 %           Mitorial jacket         4           Outer diameter insulation         1.25 mm           Conductor of stress wire insulation         1.24 mm           Ingredent freeness wire insulation         1.25 mm           Outer diameter insulation         1.25 mm <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Cable weight         36,3 g/m           Material jacket         PUR           Shohe hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.5 mm           Outer diameter (isulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         7.0 ± 5 Shore D           Ingredient freeness weir insulation         7.0 ± 5 Shore D           Ingredient freeness weir insulation         7.0 ± 5 Shore D           Conductor crosssection (wire)         0.34 mm <sup>2</sup> Conductor crosssection (wire)         0.34 mm <sup>2</sup> Conductor vire         Stranded copper wire, bare           Conductor vire         Stranded capper wire, bare     <	Stranding	4 wires twisted
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom Tron Ingredients (jacket)         lead-free, cadmium-free, CPC-free, halogen-free           Outer diameter (jacket)         4,5 mm           Tolerance outer diameter (jacket)         4,5 mm           Tolerance outer diameter (jacket)         4,5 mm           Outer diameter insulation         PP           Amount wires         4           Outer diameter insulation         125 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient teness wire insulation         125 mm           Couluer diameter insulation         124 mm           Ingredient teness wire insulation         124 ± 2           Diameter of single wires         0,1 mm           Conductor rowssection (wire)         0.34 mm?           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper w	wire arrangement	brown, black, blue, white
Shore hardness jacket         90 ± 5 Shore A           Freadm from ingredients (jacket)         lead free, cadmium free, CFC-free, halogen-free, silicone-free           Outer diameter (aketa)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor type (wire)         0.34 mm²           Material conductor wire         Strand class 6           Conductor type (wire)         strand class 6           Conductor type (wire)         2.5 kV @ 60 s           Control type (wire)         2.5 kV @ 60 s           Control type (wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         2.5 kV @ 60 s           Noninal type parature (static)         -40 °C	Cable weigth	36,3 g/m
Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-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         Outer diameter (insulation       1,25 mm         Outer diameter (insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       164 free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of single wires       0,11 mm         Conductor or sossection (wire)       0,34 mm <sup>2</sup> Material conductor wire       Stranded copper wire, bare         Conductor tropsection (wire)       3,54 mm <sup>2</sup> Material conductor wire       Stranded copper wire, bare         Current load capacity (standard)       to DIN VDE 0288-4         Current load capacity (standard)       to DIN VDE 0289-4         Current load capacity (standard)       to DIN VDE 0289-4         Current load capacity (standard)       to DIN VDE 0289-4         Current load capacity (standard)       to DIN VDE 0280-4         Material conductor wire       2,5 kV @ 60 s         Min. operating temperature (fixe	Material jacket	PUR
Outer-diameter (jacket)       4,5 mm         Tolerance outer diameter (jacket)       2,5 %         Material wire insulation       PP         Amount wires       4         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, allicone-free         Amount strands (wire)       42         Diameter of slipe wires       0,1 mm         Conductor crossection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strande class 5         Nominal voltage AC max.       300 V         Current load capacity (stindard)       to DIN VDE 0294.4         Current load capacity (stindard)       to OY 0° C@ 10000 h Operation         Operating temperature (static)       40 °C         Max. operating temperature (static)       40 °C	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.5 %         Shore hardness wire insulation       1.5 %         Shore hardness wire insulation       1.5 %         Shore hardness wire insulation       1.6 %         Diameter of single wires       0.1 mm         Conductor crosssection (wire)       0.34 mm²         Conductor crosssection (wire)       0.34 mm²         Conductor crosssection (wire)       0.34 mm²         Conductor vice       Stranded copper wire, bare         Conductor wire       Stranded copper wire, bare         Current load capacity (min, wire       4,8 A         Electrical resistan	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 insulation         5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         125 mm           Outer diameter (view)         42           Diameter of single wires         0,1 mm           Conductor crossesction (wire)         0,34 mm <sup>2</sup> Material conductor wire         Stranded coper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity min, wire         4.8 A           Electrical resistance line constant wire         57 Q.Km @ 20 °C           AC withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - insc.)         2.5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max operating temperature (static)         -40 °C           V/ resistance         DIN EN ISO 4892-2 A           Flame resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing	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 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 (wire)       2.5 kV @ 60 s         Power frequency withstand voltage (wire - 2.5 kV @ 60 s         Power frequency withstand voltage (wire - 2.5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -10 °C         Op	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Imgredient Treeness wire insulation         tead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor orsessection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor orsessection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor assection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor opacity (strandard)         to DIN VDE 028-4           Current load capacity (strandard)         to DIN VDE 028-4           Current load capacity (strandard)         to DIN VDE 028-4           Current load capacity (wine - ispace)         2,5 kV Ø 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV Ø 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -25 °C           Opparating temperatur	Material wire insulation	PP
Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor viressection (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 (standard)to DIN VDE 0298-4Current load capacity (standard)2,5 kV @ 60 sPower frequency withstand voltage (wire - sizket)2,5 kV @ 60 sPower frequency withstand voltage (wire - sizket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (inc)80 °C / 90 °C @ 10000 h OperationOperating temperature (inc)80 °C / 90 °C @ 10000 h OperationOperating temperature (inc)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUI L581 § 1000   IEC 60332-2 2   UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-rela	Amount wires	4
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 rosseection (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 (wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire -       2,5 kV @ 60 s         Power frequency withstand voltage (wire -       2,5 kV @ 60 s         Power frequency withstand voltage (wire -       2,5 kV @ 60 s         Power frequency withstand voltage (wire -       2,5 kV @ 60 s         Power frequency withstand voltage (wire -       2,5 kV @ 60 s         Operating temperature (static)       -40 °C         Max. operating temperature (static)       -20 °C @ 10000 h Operation         Operating temperature (static)       -20 °C @ 10000 h Operation         UV resistance       UI 158 i § 1000 FT2         Chemical resistance       Good, application-relate	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 rossesction (wire)       0.34 mm <sup>2</sup> 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)       57 Ωkm @ 20 °C         AC withstand voltage (wire - wire)       2.5 kV @ 60 s         Power frequency withstand voltage (wire - iter)       2.5 kV @ 60 s         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Operating temperature (static)       -25 °C         Operating temperature (stanc)       80 °C / 90 °C @ 10000 h Operation <td>Outer diameter tolerance core insulation</td> <td>±5%</td>	Outer diameter tolerance core insulation	±5%
Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor orsssection (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)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - iacket)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature min. (dynamic)       25 °C         Operating temperature min. (dynamic)       25 °C         Operating temperature min. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4882-2 A         Flame resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Goli resistance       Good, application-related testing I DIN EN 60811-404         Bending radius (fixed)       5 × Outer diameter	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 (standard)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - wire)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -25 °C         Operating temperature (max. (dynamic)       -25 °C         Diversitance	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (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 (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceUL 1581 § 1000   IEC 60332-2-2   UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGoli resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 Mio. @ 25 °CNo. of bending cycles2 Mio.Torsion stress± 180 °/m	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 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 - isotant wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (mixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (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 (dynamic)         5 x Outer diameter           No. of bending cycles (C-track)	Diameter of single wires	0,1 mm
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 - ispace in the interval of 2.5 kV @ 60 s       2.5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4929-2 A         Flame resistance       UL 1581 § 1090   IEC 6032-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Oil r	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Q/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (isted)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 resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending radius (dynamic)10 x Outer diameterNo. of bending radius (c-track)10 m @ 25 °CTraver speed (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Material conductor wire	Stranded copper wire, bare
$ \begin{array}{c} \hline Current load capacity (standard) & to DIN VDE 0298-4 \\ \hline Current load capacity min. wire & 4.8 A \\ \hline Electrical resistance line constant wire & 57 \Omega/km @ 20 °C \\ \hline AC withstand voltage (wire - wire) & 2.5 kV @ 60 s \\ \hline Power frequency withstand voltage (wire - jacket) & 2.5 kV @ 60 s \\ \hline Power frequency withstand voltage (wire - jacket) & 2.5 kV @ 60 s \\ \hline Max. operating temperature (static) & -40 °C \\ \hline Max. operating temperature (static) & -40 °C \\ \hline Max. operating temperature (fixed) & 80 °C / 90 °C @ 10000 h Operation \\ \hline Operating temperature min. (dynamic) & -25 °C \\ \hline Operating temperature max. (dynamic) & 80 °C / 90 °C @ 10000 h Operation \\ \hline UV resistance & DIN EN ISO 4892-2 A \\ \hline Flame resistance & UL 1581 § 1000   EC 60332-2-2   UL 1581 § 1100 FT2 \\ chemical resistance & Good, application-related testing \\ \hline Gasoline resistance & Good, application-related testing \\ \hline Oil resistance & Good, application-related testing \\ \hline Oil resistance & Good, application-related testing   DIN EN 60811-404 \\ \hline Bending radius (fixed) & 5 x Outer diameter \\ \hline Bending radius (dynamic) & 10 x Outer diameter \\ \hline No. of bending cycles (C-track) & 10 Mio. @ 25 °C \\ \hline Traversing distance (C-track) & 10 Mio. @ 25 °C \\ \hline No. of torsion cycles & 2 Mio. \\ \hline Tarsion stress & \pm 180 °/m \\ \hline \end{array}$	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         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	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 (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   DIN EN 60811-404         Bending radius (fixed)       5 x Outer diameter         No. of bending cycles (C-track)       10 m @ 25 °C         Traversing distance (C-track)       10 m @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	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 testingDi resistance10 x Outer diameterBending radius (fixed)5 x Outer diameter	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)       2.5 kV @ b0 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         Dix of bending cycles (C-track)       10 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of bending cycles (C-track)       10 m @ 25 °C         Traversing distance (C-track)       10 m @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m   <	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 testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin S × Outer diameterBending radius (fixed)5 × 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		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 testingNo. of 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	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 testingDin gradius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 m @ 25 °CTraversing distance (C-track)10 m @ 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 testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 m @ 25 °CTraversing distance (C-track)10 m @ 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 m @ 25 °CTraversing distance (C-track)10 m @ 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 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         No. of torsion cycles       2 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 °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	Bending radius (fixed)	5 x Outer diameter
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 (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)	10 Mio. @ 25 °C
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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