

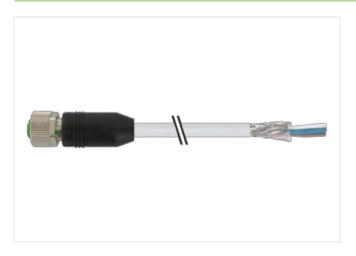
## M12 female 0° A-cod. with cable shielded

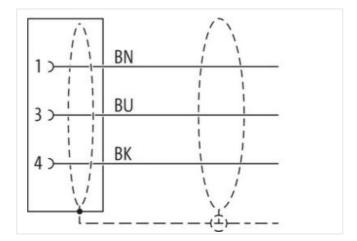
PUR 3x0.34 shielded gy UL/CSA+drag ch. 10m

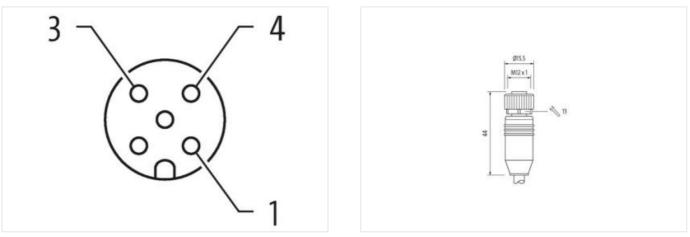
Female straight M12, 3-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

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: 2024-05-07

10 m

0,6 Nm

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Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879542692
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 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	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
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	

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Cable Type     3       Jakeke Cokr     gray       Type of Certificate     cURus       Arnout Stranding     1       Stranding     3 wires wired       Cable shadding (coverage)     80 %       Banding     Fleece, Foll       wire arrangement     brow, black, blue       Traversing distance (Crack)     5 m @ 25 for locacital       Cable shidding (coverage)     80 %       Banding     Fleece, Foll       wire arrangement     brow, black, blue       Traversing distance (Crack)     5 m @ 25 for locacital       Cable weigh     44 gim       Matarial local     90 1 S for loca       Freedom from ingredients (ajket)     18 5 for locacital       Cable weigh     5 min       Totarzone outer diameter insulation     1.5 %       Matarial wei insulation     1.5 %       Outer diameter insulation     1.5 %       Outer diameter insulation     1.5 %       Diameter insulation     1.5 %       Diameter insulation     1.5 %       Diameter insulation     1.5 %       Diameter insulation contex insulation	Cable identification	240
Jackie Color     gray       Type of Cartificate     CJ/Rus       Amount stranding     1       Stranding     Swires Wisted       Cable shelding (type)     cooper traudule       Cable shelding (type)     cooper traudule       Cable shelding (type)     Book       Banding     Piece, Foll       wire arrangement     brown, back, blue       Traversing distance (C-track)     Sm Q 25 °C   Portrontal       Cable weigh     44 grin       Mitterial packet     PUP       Strom hardnass jacket     90 ± 5 Strom A       Freedom from impedients (jacket)     5 Strom A       Freedom from impedients (jacket)     5 Strom       Outer diameter insultation     PP       Amount Wrins     3       Outer diameter insultation     1, 25 mm       Cable and Grave and and antive (packet)     45 %       Strom bardnass wire insultation     10 ± 5 Store D       Impredient fearmed core insultation     14 Store       Strom bardnass wire insultation     10 ± Store D       Impredient fearmed core insultation     10 ± Store D       Care diameter insultation		-
Type of Certificate     ou/flus       Amount stranding     1       Amount stranding     1       Cable shelding (type)     oopper braid, timed       Cable shelding (type)     00 y/s       Banding     Fleece, Foll       wire strangement     brown, black, blue       Travesing distance (C+track)     5 m @ 25 °C [horizontal       Cable weight     4 g/m       Material jacket     0 ± 5 Shore A       Freedom from ingredients (jacket)     5 m %       Outer diameter (chark)     5 m %       Cable weight     5 %       Material weis insulation     PP       Amount stranders     3       Outer diameter (chark)     5 %       Shore hardness vie insulation     1.25 mm       Outer diameter insulation     1.5 %       Diameter of single wi		
Anount stranding     1       Shanding     3 wires twisted       Cable stikeling (cycerage)     80 %       Banding     Fleeco, Foll       wire arrangement     borw, black, blue       wire arrangement     borw, black, blue       Cable stight     44 g/m       Material packet     PUR       Shore handess jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     5 a %       Material packet     PUR       Shore handess jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     5 mm       Tearrance subst dimeter (sheath)     5 %       Material wire insulation     PP       Amount wires     3       Outer dimeter insulation     1.25 mm       Outer dimeter insulation     1.25 mm       Outer dimeter insulation     1.45 %       Shore hardness wire insulation     1.45 %       Diameter of single wires     0,1 mm       Conductor tryps wire insulation     1.45 %       Conductor tryps wire insulation     1.64 %       Conductor tryps wire insulation     1.64 %       Conducto		
Standing   3 wires twisted     Cable shelding (type)   copper traid, timed     Cable shelding (cype)   60 %     Banding   Floeco, Foll     wire arrangement   town, buck, bue     Traversing distance (C track)   5 m @ 25 °C   horizontal     Cable wirding (cype)   60 %     Material jackat   PUR     Shore hardness jackat   90 ± 5 Shore A     Freedom from ingrodinates (jackat)   isaut-free, canduitum-free, CFC-free, halogan-free, silicone-free     Outer-diameter (jackat)   5 m     Tolerance outer diameter (jackat)   5 m     Outer diameter insulation   PP     Annout viris   3     Outer diameter insulation   1 ± 5 %     Miteral viris insulation   1 ± 5 %     Shore hardness wire insulation   1 ± 5 %     Darater insulation   1 ± 2 mm     Outer diameter insulation   1 ± 5 %     Shore hardness wire insulation   1 ± 2 mm     Outer diameter insulation   2 5 %     <		
Cable shielding (coverage)     copper braid, tinned       Cable shielding (coverage)     B0 %       Banding     Fleeco, Foll       wire arrangement     brown, black, blue       Traversing distance (C-track)     5 m @ 25 % C  horizontal       Cable weigh     44 g/m       Material jackat     PUR       Shore hardness jackat     PUR       Cable animetria (backet)     1 5 %       Material wire insulation     PP       Anount twices     9       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.45 %       Durater diameter insulation     1.45 %       Canduator crosseaction (wire)     42       Durater diameter insulation     1.45 %       Material conductor weic     Stranded copper wire, bare       Conductor proveinsulation     10 pDN VDE 0280-4       Current loacaquapity min. wire     6 A		·
Cable shielding (coverage) 80 %   Banding Fleece, Foll   wire arrangemont brown, black, blue   Traversig distance (C-track) 5 m @ 25 °C   horizontal   Cable weigh 44 g/m   Material jackst PUR   Shore hardness jacket 90 ± 5 Shore A   Frededom from ingredients (jacket) 5 m   Outer -diameter (jacket) 5 %   Shore hardness jacket 90 ± 5 Shore A   Marcial w/re insulation PP   Amount wires 3   Outer diameter insulation 125 mm   Outer diameter insulation 70 ± 5 Shore D   Ingredient freeness wire insulation 70 ± 5 Shore D   Ingredient freeness wire insulation 125 mm   Outer diameter insulation 40 * 5 %   Diameter of single wires 0,1 mm   Canductor crossection (wire) 0,3 mm <sup>2</sup> Material conductor wire) 0,34 mm <sup>2</sup> Canductor type (wire) strand class 6   Normal voltage AC max. 300 V   Current tool capacity (standard) 10 INV DE 0298-4   Current tool c		
Banding     Fleece, Foll       wire arangement     brown, black, blue       Traversing distance (C-track)     5 m @ 25 °C] (horizontal       Cable weigh     4 4 g m       Maiarial jackel     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredents [gacket]     lead-free, castimum-free, CFC-free, halogen-free, silicone-free       Ouder diameter (glacket)     ± 5 %       Material wei insulation     PP       Annoutt wies     3       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 km       Outer diameter insulation     1.25 km       Outer diameter insulation     1.25 km PD       Ingredient freeness wire insulation     1.25 km PD       Ingredient freeness wire insulation     1.42 km       Canductor orossaction (wire)     0.34 mm <sup>2</sup> Canductor orossaction (wire)     0.34 mm <sup>2</sup> Canductor orossaction (wire)     0.34 mm <sup>2</sup> Current load capacity (standard)     10 DIN VDE 0296-4       Current load capacity (standard)     10 DIN VDE 0296-4       Current load capacity (standard)     10 DIN VDE 0296-4		
wire arrangement     brown, black, blue       Traversing distance (C-rack)     5 m @ 25 °C   horizontal       Cabbe weigh     4 µm       Material jacket     90 ± 5 Shore A       Freedom Tom ingredents (gacket)     18 ± 5 %       Shore hardness jacket     90 ± 5 Shore A       Freedom Tom ingredents (gacket)     5 m       Tolerance outer diameter (jacket)     5 m       Tolerance outer diameter (jacket)     5 m       Anount wires     3       Outer diameter insulation     PP       Anount wires     3       Outer diameter insulation     1.2 Sm       Outer diameter insulation     1.5 %       Shore hardness wire insulation     1.2 Sm       Outer diameter insulation     1.2 Sm       Anount strand (wire)     42       Diameter of single wires     0.1 mm       Conductor travessection (wire)     0.34 mm <sup>3</sup> Material conductor wire     Strand datas 6       Conductor wire     Straded strand voltage		
Traversing distance (C-track)   5 m @ 25 °C   horizontal     Cable weight   44 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadhium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   5 m     Tolerance outer diameter (sheath)   ± 5 %     Material jacket   9P     Anount wires   3     Outer diameter (sheath)   ± 5 %     Shore hardness wire insulation   1,25 mm     Outer diameter insulation   1,25 mm     Candicutor resonaction (wire)   0,34 mm²     Conductor resonaction (wire)   0,34 mm²     Conductor wire   Straded copper wire, bare     Conductor ruppe (wire)   straded copper wire, bare     Conu		
Cable weight 44 g/m   Material jacket PUR   Shore hardness jackt 90 ± S shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, OFC-free, halogen-free, silicone-free   Outer-diameter (jacket) ± 5 %   Material wire insulation PP   Annout wires 3   Outer diameter insulation 1.25 mm   Outer diameter insulation 1.25 mm   Outer diameter insulation 70 ± 5 Shore D   Ingredient freeness wire insulation 70 ± 5 Shore D   Ingredient freeness wire insulation 70 ± 5 Shore D   Nonunt strands (wire) 42   Diameter of single wires 0,1 mm   Conductor rosssection (wire) 0.34 mm²   Material conductor wire Straded cooper wire, bare   Conductor vipse Straded cooper wire, bare   Conductor vipse (wire) strad class 6   Normial voltage AC max. 300 V   Current load capacity (strandwird) to DIN VDE 0298-4   Current load capacity (wire, wire) 21V @ 60 s   Power frequency withstand voltage (wire - shield) 21V @ 60 s   Power frequency withstand voltage (wire - shield) 21V @ 60 s   AC withstand voltage (wire - shield) 21V @ 60 s   Derver frequency withstand voltage (wire - shield) 2		
Material jacket     PUR       Shore hardness jacket     90 5 Shore A       Freedom Trom Ingredients (jacket)     5 mm       Outer-diameter (jacket)     5 mm       Tolerance outer diameter (jacket)     5 mm       Material wire insulation     PP       Amount wires     3       Outer diameter (jacket)     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     16 %       Shore hardness wire insulation     16 %       Dimeter d'single wires     0,1 mm       Conductor rops (wire)     0,34 mm <sup>2</sup> Dimeter d'single wires     0,1 mm       Conductor rops (wire)     51 and class 6       Nominal voltage AC max.     300 V       Current load capacity min. wire     6 A       Electrical resistance line constant wire     57 Chm @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Mone out vishtsat voltage (wire - wire)     2 kV @ 60 s       More out vishtsat voltage (wire - wire)     2 kV @ 60 s		
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5 m       Tolerance outer diameter (sheath)     1 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter sinulation     1,25 mm       Outer diameter of single wires     0,1 mm       Conductor crosssection (wire)     42       Diameter of single wires     0,1 mm       Conductor vires     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor vires     Stranded copper wire, bare       Current load capacity (standard)     ID INI VID E 0298-4       Current load capacity (standard)     ID INI VID E 0298-4       Current load capacity (standard)     ID INI VID E 0298-4  <		-
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   5 mm     Aderial wire insulation   PP     Amount wires   3     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter 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 vipe (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0288-4     Current load capacity (min. wire   6 A     Electrical resistance line constant wire   57 C/Lm @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Min. operating temperature (misc)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature min. (dynamic)   -25 °C		
Outer-diameter (jacket)     5 mm       Tolerance outer diameter (eheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 mm       Shore hardness wire insulation     1.25 mm       Ingredient freeness wire insulation     1.25 mm       Ingredient freeness wire insulation     1.24 Smm       Diameter of single wires     0.1 mm       Conductor crosssection (wire)     0.34 mm <sup>2</sup> 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     6 A       Electrical resistance     16 VME 60 s       Power frequency withstand voltage (wire - shield)     2 kV @ 60 s       AC withstand voltage (wire - shield)     2 kV @ 60 s <td></td> <td></td>		
Tolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPAmount wires3Outer diameter insulation1.25 mmOuter diameter lolerance core insulation $\pm$ 5 %Shore hardness wire insulation70 $\pm$ 5 Shore DIngredient freeness wire insulation70 $\pm$ 5 Shore DIngredient freeness wire insulation16ad-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crossection (wire)0.34 mm²Conductor type (wire)stranded copper wire, bareConductor type (wire)strande case 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0288-4Current load capacity (standard)to DIN VDE 0288-4Current load capacity (standard)2 KV @ 60 sAC withstand voltage (wire - wire)2 KV @ 60 sAG withstand voltage (wire - wire)2 KV @ 60 sAG withstand voltage (wire - shield)2 KV @ 60 sAG withstand voltage (wire - shield)2 KV @ 60 sAG withstand voltage (wire - Signaperature max. (dynamic)-25 °COperating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature max. (dynamic)-25 °COperating temperature mix. (dynamic)-25 °COperating temperature mix. (dynamic)-25 °COperating temperature mix. (dynamic)-25 °COperating temperature mix. (dynamic)-25 °COperating tempe		
Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     16a 4 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 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor yee (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (strandard)     to DIN INDE 0298-4       Current load capacity (strandard)     to DIN VDE 0298-4       Current load capacity (strandard)     to DIN VDE 0298-4       Current load capacity (wine - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - sinied)     2 kV @ 60 s       Row withstand voltage (wire - sinied)     2 kV @ 60 s       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     40 °C       Operating temperature (static)     80 °C / 90 °C @ 10000 h Operation	Outer-diameter (jacket)	
Amount wires   3     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   10 ± 5 Shore D     Ingredient freeness wire insulation   16 ± 5 %     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 min. wire   6 A     Electrical resistance line constant wire   57 Ωkm @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Min. operating temperature (stalc)   40 °C     Max. operating temperature (stalc)   40 °C     Max. operating temperature (stalc)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (stalc)   80 °C / 90 °C @ 10000 h Operation     Core (stance   Good, application-related testing     Gasein resistance   EC 60332-22 / UL 1581 § 1100 FT2 / UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoine resistance   Goo	. ,	
Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     164 - free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount stands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0.34 mm²       Material conductor 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       Curent load c	Material wire insulation	
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 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 (wint. wire)6 AElectrical resistance line constant wire57 $\Omega$ km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - wire)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)80 °C / 90 °C @ 10000 h OperationOperating temperature (istatic)-40 °CMax. operating temperature (istatic)-40 °COperating temperature (istatic)-25 °COperation renerature (istatic)-25 °COperation resistanceGood, application-related testingGauseir resistanceGood, application-related testingGauseir resistanceGood, application-related testingColl resistanceDiv C Mod, application-related testingConductor (istage (fixed))5 x Outer diameterFame resistanceDiv C Mod, application-related testingConductor coll resistanceDiv C Mod	Amount wires	3
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 min. wire     6 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 - size)     2 kV @ 60 s       AC withstand voltage (wire - size)     2 kV @ 60 s       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor 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 (min. wire)6 AElectrical resistance line constant wire57 $\Omega/km$ @ 20 °CAC withstand voltage (wire - if $\alpha \in 0.5$ Power frequency withstand voltage (wire - if $\alpha \in 0.5$ Power frequency withstand voltage (wire - if $\alpha \in 0.5$ Power frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (statc)-40 °CMax. operating temperature (statc)-40 °CMax. operating temperature (statc)-25 °COperating temperature (statc)80 °C / 90 °C @ 10000 h OperationOperating temperature (statc)80 °C / 90 °C @ 10000 h OperationPiame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDiv Uter diameterParvel speed (C-track)5 XOuter diameterBending radius (fixed)5 XOuter diameterParvel speed (C-track)5 Min. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m <td>Outer diameter tolerance core insulation</td> <td>±5%</td>	Outer diameter tolerance core insulation	±5%
Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)stranded copper wire, bareConductor type (wire)stranded copper wire, bareConductor type (wire)stranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 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)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CGaceling temperature (static)-40 °CGaceling temperature (static)-60 °C (@ 10000 h OperationPerating temperature (static)-40 °CGaceling temperature (static)-60 °C (@ 10000 h OperationPerating temperature (static)-60 °C (@ 10000 h OperationPerating temperature (static)-60 °C (@ 10000 h OperationPirating temperature (static)-60 °C (@ 10000 h OperationOli resistanceGood, application-	Shore hardness wire insulation	70 ± 5 Shore D
Interfactor of single wires0,1 mmDiameter of single wires0,34 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 min. wire6 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)2 kV @ 60 sMan. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature min. (dynamic)-28 °COperating temperature min. (dynamic)-28 °COperating temperature min. (dynamic)-28 °COto application-related testingGasoline resistanceGood, application-related testingChristandeGood, application-related testingOil resistanceDNE N 06811-404   Good, application-related testingBending radius (fixed)5 × Outer diameterBending radius (fixed)5 × Outer diameterParale speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	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 min. wire     6 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)     2 kV @ 60 s       AC withstand voltage (wire - shield)     2 kV @ 60 s       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Filame resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Cold caparde (fixed)     5 × Outer diameter       Bending radius (fixed)     5 Mio. @ 25 °C       No. of torsion cyc	Amount strands (wire)	42
Material 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 min. wire6 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)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-40 °CMax. 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 OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBrande deg C'-track)5 Min. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	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. wire6 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)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (fixed)5 Nio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	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. wire6 AElectrical resistance line constant wire57 Q/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)40 °CMax. operating temperature (ifxed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 / UL 1581 § 1100 FT2 / UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 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)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Conductor type (wire)	strand class 6
Current load capacity min. wire   6 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)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (min. (dynamic))   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Nominal voltage AC max.	300 V
Electrical 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)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistance10 x Outer diameterBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	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)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   IEC 60332-2-2 I UL 1581 § 1100 FT2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Current load capacity min. wire	6 A
Power frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 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 OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 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 OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	AC withstand voltage (wire - wire)	2 kV @ 60 s
Jacket)2 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 OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 × Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Power frequency withstand voltage (wire -	2 kV @ 60 s
Min. 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 OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		-
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 OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 × Outer diameterBending radius (dynamic)10 × Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		· · · · · · · · · · · · · · · · · · ·
Flame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m		80 °C / 90 °C @ 10000 h Operation
Gasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Oil resistance	DIN EN 60811-404   Good, application-related testing
Travel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio.   Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 30 °/m	Travel speed (C-track)	5 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/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: 2024-05-07

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