

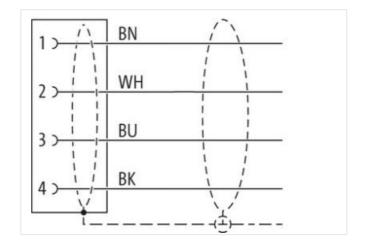
M12 female recept. A-cod. shielded rear

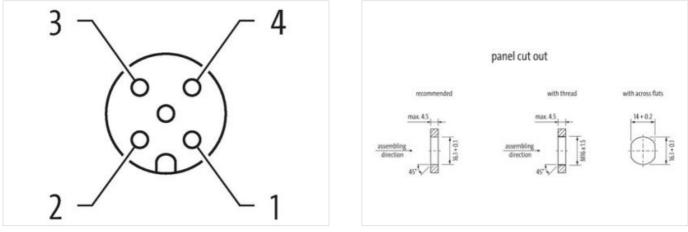
PUR 4x0.34 shielded gy UL/CSA+drag ch. 0.3m

Flange female M12, 4-pole shielded Rear mounting Further cable lengths on request. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product







Product may differ from Image



Side 1 Tightening torque 0,6 Nm	Cable length	0,3 m
Tightening torque 0,6 Nm	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: 2024-04-26



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	Brass
No. of poles	4
Degree of protection (EN IEC 60529)	IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-9.0 ECLASS-10.1	27440103
ECLASS-10.1 ECLASS-11.1	27440103
ECLASS-11.1 ECLASS-12.0	27440103
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879520881
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M16 x 1.5
Width across flats	SW19
Device protection Electrical	
Protection NEMA	3, 4, 6P
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	nickel plated
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Brass
Material screw connection	Brass
Mechanical data Mounting data	
	Schraubgewinde
Mounting method Looking techniques	Schraubgewinde Schraubgewinde

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Operating importation may 85 °C Additional condition tampenature may depending on cable quality Additional condition tampenature may depending on cable quality Due Sole yes Installation Cable yes Cable Strong Cable doublication 241 Cable strong Carena Strong Cable doublication (Strong Cable doublication	Operating temperature min.	-25 °C
ApprovisUL SOEysCable ToricysCable Identification241Cable Identification241Cable Itype3Cable Stype3Cable CollyswCable CollyswType of Collicate0/FusAnount stranding4Cable Indentify (coll0/FusCable Indentify (coll0/FusCable Indentify (coll0/FusCable Indentify (coll0/FusCable Indentify (coll0/FusCable Indentify (coll0/FusCable Indentify (coll0/FusRearding (vise)0/FusNo. Of berding (vise)0/FusNo. Of berding (vise)0/FusNo. Of berding (vise)0/FusShore Inactions (adout)0/FusShore Inactions (adout)0/FusShore Inactions (adout)0/FusCable anderify (classity)0/FusCable anderify (classity)0/Fu	Operating temperature max.	85 °C
OL 56E yes Installation (Cable Cable identification 241 Cable identification 9 Cable identification 9 Cable identification 9 Cable identification 0.00000000000000000000000000000000000	Additional condition temperature range	depending on cable quality
OL 56E yes Installation (Cable Cable identification 241 Cable identification 9 Cable identification 9 Cable identification 9 Cable identification 0.00000000000000000000000000000000000	Approvals	
Instaliation (Cable 241 Cable Stype 3 Jacket Color gray Standing UPus Anount standing 1 Standing Standing Banding (coverage) 80 % Cable shelding (rope) copper braid, tinned Cable weight So.6 gra No. of beading opdes (C-track) 5 Mor. @ 25 °C Cable weight So.6 gra Manarial Jackat PUE Stron tandines standing PUE Stron tandines standing So.7 m Tolarance outer diameter (sheath) 5 % Manarial wire insulation PUE Anount Wire 4 Outer diameter insulation 1.25 m Cable diameter (sheath) 5 % Store D Sore D Carler dameter insulation 1.25 m Outer dinster insulati		
Cable identification 241 Cable Type 3 Cable Type 3 Cable Corr gray Type of Carlificate URus Anount stranding 4 Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (type) Sone A Cable shielding (type) Sone A Cable shielding (type) Sone A Sone hardness jacket PUP Sone hardness jacket PUP Sone hardness jacket PUP Cadde weight Sone A Toferance outer diameter (soket) 5.5 mm Cadde stranding (the common stranding inter, CFC free, halogen free, silicone free Autoritation in ingradents (jackot) 5.5 mm Anount trianding in instranding in		yes
Cable Type 3 Cacket Clori gray Type of Cenficate URus Arnout stranding 1 Standing wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Bandning Fleeser, Foll wire arrangement bown, black, blue, white No. of bunding cycles (C-track) 5 Mo. @ 25 °C Cable weigh 50.5 @m Material jacket PUP Shore hardmss jacket 90.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer -dimeter (jacket) 5.5 % Material jacket 92.5 Shore A Outer dimeter (sharbh) 5 % Material jacket 92.5 Shore A Outer dimeter (sharbh) 1.25 mm Outer dimeter for insulation 1.25 mm Outer dimeter for insulation 1.25 Shore D Dimeter diseling viries 0.1 mm Conductor type (wire) 0.24 mm/m.free, CFC-free, halogen-free, silicone-free Amount wires	Installation Cable	
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Type of Certificate UHus Amount stranding 1 Stranding 4 vires bivisted Cable shelding (type) coppor braid, linned Cable shelding (coverage) 80 % Banding Flooco, Foil Wire arrangement brown, black, blue, white No. of brading cycles (Ctrack) 5 Mio @ 25 °C Cable weight 50.6 g/m Material jacket PUR Shore hardness jacket 90.5 S Shore A Freadem form ingredients (jacket) lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.3 mm Totarinaco outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 S hore D Since hardness wire insulation 1.25 Nr Diameter outer outer insulation 1.25 Nr Outer diameter folge wires 0.1 mm Conductor vires 3.7 M Diameter outer weight weight 5 % Dinmeter outer ou		3
Amount stranding 1 Stranding 4 wires fixisted Cable shielding (type) copper braid, timed Cable shielding (coverage) 80 % Banding Flaece, Foll wire arrangement brown, black, blue, while No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 50.6 g/m Material jacket PUR Shore hardness jacket 90 + 5 Shore A Freedom from rigedients (jacket) 5,3 mm Tolerando outer diameter (iacket) 5,3 mm Outer diameter (iacket) 5,3 mm Outer diameter insulation PP Amount wires 4 Outer diameter insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 % Binameter insulation 1,25 % Diameter of singsee wires 0,1 mm Conductor orsesoliton (wire) 57 Diameter of		
Stranding 4 wires twisted Cable shelding (type) copper braid, timed Cable shelding (cyreage) 80 % Banding Fleece, Foll wire arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigh 90.6 g/m Material jacket PUR Shore hardness jacket 90.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer diameter (stell) 5 % Material jacket 9.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer diameter insulation 1.25 mm Conductor row insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (vire) 42 Diameter of single wies 0.1 mm Conductor type (wire) stranded copper wire, bare Conductor type (wire) str	Type of Certificate	cURus
Cable shielding (type) copper braid, tinned Cable shielding (coverage) B0 % Banding Fleece, Foll wita arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 50.6 g /m Material jacket PUR Shore hardnese jacket 90.1 5 Shore A Freedom tron ingredients (jacket) 5.3 mm Tolerance outer dimeter (socket) 5.3 mm Tolerance outer dimeter (socket) 5.3 mm Outer diameter insulation PP Amount vires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.45 % Shore hardness were insulation 1.45 % Conductor crosses were insulation 1.45 mm Outer diameter lolarance oure insulation 1.45 mm Outer diameter lolarance oure insulation 1.45 mm Conductor crosses were insulation 1.45 Mm Tareatout datinee (C-track) 5 m@ 25 °C [horizontal <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Cable shielding (coverage) 80 % Banding Fleece, Foll wire arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mlo. @ 25 °C Cable weight 50,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-thee, cadmium-free, CPC-free, halogen-free, silicone-free Outer diameter (jacket) ± 5 % Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Coder diameter (jacket) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter issulation 1.25 mm Outer diameter wire insulation 1.25 mm Outer diameter issulation 1.25 mm Outer diameter issulation 1.24 mm Conductor representive insulation 1.24 mm Conductor repre (wire) 34 mm ² <	Stranding	4 wires twisted
Banding Floece, Foil wire arrangement brown, Dack, blue, white No. of bending cycles (C-track) 5 Mio, 62 5° C Cable weigh 50.6 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) Iead free, cadmium free, CFC-free, halogen-free, silicone-free Outer -diameter (jacket) 5.3 mm Tolerance outer diameter (jacket) 5.3 mm Outer diameter insulation PP Annout wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 Shore D Ingredient freeness wire insulation 1.25 Shore D Meterial conductor crosssection (wire) 42 Diameter of single wires 0.1 mm Conductor crosssection (wire) 5 mg 25 °C horizontal Current load capacity (wire) stranded copper wire, bare Conductor vires Stranded copper wire, bare Oute	Cable shielding (type)	copper braid, tinned
wite arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mo. @ 25 °C Cable weigh 50, 6 g m Matarial jackat PUR Shore hardness jacket 90 ± 5 Shore A Freedom Tom ingredients (jacket) 5,3 mm Tolerance outer diameter (saket) 5,3 mm Tolerance outer diameter (saket) 5,3 mm Outer diameter (saket) 5,5 mm Outer diameter insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 fmm Outer diameter insulation 1,42 fmm Canductor ressection (wire) 4,2 Diameter of single wires 0,1 mm Conductor rype (wire) strand class 6 Traversing distance (C-track) 5 m @ 2 5 °C (horizontal Current	Cable shielding (coverage)	80 %
No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 50.6 g/m Material jacket PUR Shore hardness jackat 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.3 mm Tolerance outer diameter (sheath) ± 5 % Material invites 4 Outer diameter insulation 1,25 mm Conductor consess wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 10,25 mm Diameter of single wires 0,1 mm Conductor orsessection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor orsessection (wire) 5,7 Mm @ 25 °C introontal Current load capacity (standard) to DIN VDE 6296.4	Banding	Fleece, Foil
Cable weigh 50,6 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.3 mm Tollarance outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.24 mm Diameter of single wires 0,1 mm Conductor yre (wire) Stranded copper wire, bare Conductor yre (wire) Stranded copper wire, bare </td <td>wire arrangement</td> <td>brown, black, blue, white</td>	wire arrangement	brown, black, blue, white
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) [ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter rolerance core insulation 1.25 mm Outer diameter tolerance core insulation 1.25 km Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.45 % Diameter of signe wires 0.1 mm Conductor crosssection (wire) 0.34 mm ² Diameter of signe wires 0.1 mm Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor wire Stranded copper vire, bare Coutrent load capacity (standard) to DIN	No. of bending cycles (C-track)	5 Mio. @ 25 °C
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 % Tolerance outer diameter (jacket) ± 5 % Material wire insulation PP 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 10 ± 5 % Shore hardness wire insulation 10 ± 5 % Diameter of single wires 0,1 mm Conductor rowssection (wire) 0,34 mm ³ Material conductor wire Stranded copper wire, bare Canductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (slandard) to DIN VDE 0298-4 Current load capacity (min, wire 4,8 A Electrical resistance line constant wire 57 Ωkm @ 20 °C Nominal voltage power (wire wire) 2 kV @ 60 s Ac withstand voltage power (wire wire) 2 kV @ 60 s	Cable weigth	50,6 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.45 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 rossessection (wire) 0.34 mm ² Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity min. wire 4.8 A Clerent load capacity min. wire 4.8 A Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s Power forguency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 40 °C / 90 °C @ 10000 h Operation O	Material jacket	PUR
Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter lolerance core insulation ± 5 % Shore hardness 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 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (strandard) to DIN VDE 028-4 Current load capacity (strandard) to DIN VDE 028-4 Current load capacity (wire, shield) 2 KV @ 60 s Power frequency withstand voltage power (wire - shield) 2 KV @ 60 s Ac withstand voltage power (wire - shield) 2 KV @ 60 s Material temperature (static) -40 °C	Shore hardness jacket	90 ± 5 Shore A
Tolarance outer diameter (sheath) ± 5 % Material wire insulation PP 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 125 fShore 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 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - strield) 2 kV @ 60 s Power frequency withstand voltage power (wire - strield) 2 kV @ 60 s Are withstand voltage power (wire - strield) 2 kV @ 60 s Min. ope	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 ± 5 % Shore hardness 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) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity min, wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (statis) 80 °C / 90 °C @ 10000 h Operation <	Outer-diameter (jacket)	5,3 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 crossection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strande class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (isandard) to DIN VDE 0298-4 Current load capacity (isandard) 2 kV @ 60 s Nominal voltage power (wire - shield) 2 kV @ 60 s Nominal voltage power (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -20 °C Operating temperature (static) -20 °C Operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static)	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 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 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 0/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (statc) 40 °C Max. operating temperature (statc) 40 °C / 90 °C @ 10000 h Operation Operating temperature (statc) 60 °C / 90 °C @ 10000 h Operation	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient treeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Arnount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (staci) -40 °C Max. operating temperature (staci) -40 °C Max. o	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 nm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - shield) 2 kV @ 60 s Ac withstand voltage power (wire - shield) 2 kV @ 60 s Ac withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C </td <td>Outer diameter insulation</td> <td>1,25 mm</td>	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 rosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Wire - jacket) 2 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) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Fla	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)strand class 6Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sMire - jacket)-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 OperationCiperating temperature max. (dynamic)25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationCiperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationCiperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)60 do	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent 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 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - shield)2 kV @ 60 sNin. 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 OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationGasoline 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 diameter	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 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sMin. operating temperature (statc)-40 °CMax. operating temperature (statc)-40 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)25 °COperating temperature max. (dynamic)25 °COperating temperature max.60 o, application-related testingGasoline 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 diameter	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1000 IEC 60332-2-2 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, applic	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. 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 resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical 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 diameter	Conductor crosssection (wire)	0,34 mm ²
Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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 max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline 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	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sPower frequency withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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 resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical 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 diameter	Conductor type (wire)	strand class 6
Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. 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 resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical 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 diameter	Traversing distance (C-track)	5 m @ 25 °C horizontal
Electrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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 resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical 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 diameter	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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 resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical 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 diameter	Current load capacity min. wire	4,8 A
AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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 UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 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	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Power frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)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 resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameter	Nominal voltage power AC max.	300 V
(wire - jacket) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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 UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 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	AC withstand voltage power (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 UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 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	Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
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 UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 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	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 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	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 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	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 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	Operating temperature min. (dynamic)	-25 °C
Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 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	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Flame resistance	
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	
	Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter

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No. of torsion cycles

2 Mio.

Torsion speed Torsion stress 35 cycles/min ± 30 °/m

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