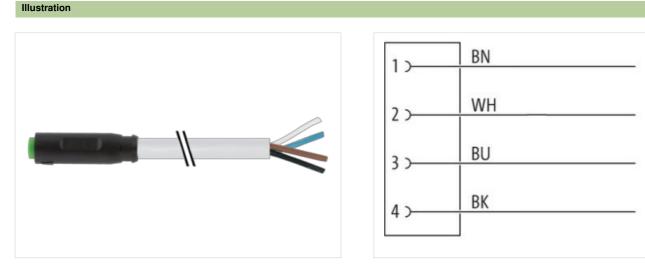


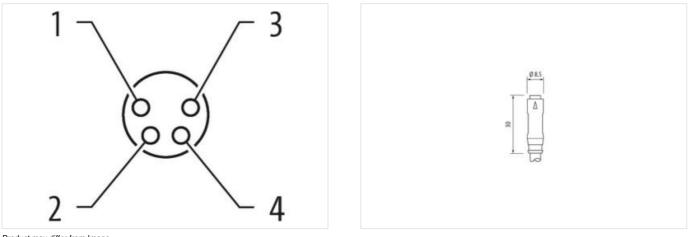
M8 female 0° A-cod. snap-in with cable

PUR 4x0.25 gy UL/CSA+drag ch. 5m

Male straight M8 (Snap In), 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	5 m	
Side 1		
Mounting method	inserted	

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: 2024-06-25

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Family construction form	M8
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	4
Degree of protection (EN IEC 60529)	IP65
Side 2	
Stripping length (jacket)	20 mm
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	4048879225618
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 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	
Stripping length (jacket)	20 mm
Device protection Electrical	
Additional condition protection degree	inserted, locked
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Material screw connection	PUR
Mechanical data Mounting data	
_ooking techniques	Snap In
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 61076-2-114 (M8)

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Cable Identification231Cable Stype3Stacket ColorgrayType of CarificatevCHusAnount Stranding4Material ColorBrayStranding4Wire strangementbrown, black, blue, whileCable weigh33 grmMaterial jacket90 ± 5 Shore AFreedom toom Ingredients (acket)4.5 mmColor devides (acket)4.5 mmColor devides (acket)1.5 %.Material jacket90 ± 5 Shore AFreedom toom Ingredients (acket)4.5 mmColor devides (acket)4.5 mmColor devides (acket)1.5 %.Material wire insulation1.25 rmnColor devides wire insulation1.25 rmnColor devides wire insulation70 ± 5 Shore DIngredient (acket)4.5 %.Shore hardness wire insulation70 ± 5 Shore DIngredient (acket)0.25 rmn ² Conduct orons wire insulation1.25 rmnConductor tooms wire insulation1.25 rmnConductor tooms wire insulation1.25 rmnConductor tooms wire insulation1.25 rmn ² Conductor tooms wire insulation0.25 rml ² Conductor tooms wire insulation<	wire arrangement	brown, black, blue, white
Cable Type 3 Jacké Clori gray Type of Carfintate URus Anount stranding 1 Stranding 4 virce bvisted wire management brown, black, blue, white Cable weight 33 gim Material jackst PUR Shore hardness jacket 90 5 Shore A Freedom from ingredientis (jacket) 45 % Guider diameter (jacket) 4 5 % Cuder diameter (jacket) 4 5 % Anount vires 4 Outer diameter (jacket) 1 5 % Material vire instantion PP Anount vires 4 Outer diameter instantion 1 25 % Shore hardness wire instalation 1 25 % Cardiationstenascone instalation		231
Jacket Color gray Type of Carlificatio cURus Amount standing 1 Stranding 4 wires twisted wires arrangement bow, black, blue, white Cable weight 33 g/m Material acket PUR Store hardness jacket 90 5 Shore A Freedom from ingredients (jacket) lead-ree, cadrium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4 5 % Material vior insulation PP Amount views 4 Outer diameter (insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freemess wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Conductor trossection (wire) 32 Diameter of aingle wires 0.1 mm Conductor trossection (wire) 32 5 mm ³ Material conductor wire Stranded copper wire, bare Conductor trossection (wire) 32 5 K/2 M @ 20 °C Condu		
Type of Certificate cJPius Amount stranding 1 Stranding 4 wires twisted Stranding 4 wires twisted Stranding 4 wires twisted Stranding 33 g/m Aduental jachel PUR Strare hardness jacket 90 - 5 Shore A Freedom from ingrodents (jacket) 4.5 mm Tolerance outer diameter (schet) 4.5 mm Tolerance outer diameter (schet) 4.5 mm Outer diameter insulation PP Amount wires 4 Outer diameter insulation 1.28 mm Outer diameter (wire) 3.2 Diamater of single wir		grav
Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, while Gable weigh 33 g/m Material jacket PUR Stron hardness jackel 90.4 5 Shore A Freedom from ingredients (jacked) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-dimenter (jacked) 4.5 mm Tolerance outer diameter (shealth) ± 5 % Material twice insulation PP Amount wise 4 Outer diameter visuation 1.25 mm Outer diameter visuation 1.25 mm Outer diameter visuation 1.25 Smre Stres hardness wire insulation 1.25 Smre Outer diameter visuation 1.25 Smre Conductor crosssection (wire) 3.2 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0.25 mm ² Material conductor wire Stranded copper wire, bare Construct crops (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity finn. wire 3.6 A Electrical resistance 1.0 ND		
Stranding 4 wires twisted wire arrangement brown, black, blue, while Cable weigh 33 g/m Material 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 (jacket) 1.5 % Amount wires 4 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 Ingredent freeness wire insulation 1.82 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter wire insulation 1.25 mm Conductor resources wire insulation 1.25 mm Outer diameter insulation 1.25 mm Conductor vises wire insulation 1.25 mm Conductor vises wire insulation 0.25 mm ² Material conductor wire 0.25 mm ² Conductor type (wire) 0.5 km Conductor type (wire) 0.5 km Conductor type (wire) 0.5 kM @ 20 °C Conservert load capacity (standard) 10 DN VDE 0289-4		1
wire arrangement brown, black, blue, white Cable weight 33 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 (nebesth) ± 5 %. Material jacket 9P Amount wice 4 Outer diameter (nebesth) ± 5 %. Material jacket 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 Shore D Ingredient freeness wire insulation 180 * 9. Diameter of single wires 0,1 mm Conductor rossection (wire) 0.25 mm ² Material jacket/use wire insulation 1.68 * 6 Normal voltage AC max. 300 V Current toad capacity (standard) to DIN VDE 0298-4 Current toad capacity (standard) to DIN VDE 0298-4 Current toad capacity (standard) b DIN VDE 0298-4 Current toad capacity (standard) b DIN VDE 0298-4 Curent toad capacity (stan		4 wires twisted
Cable weight 33 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 %. Material wire 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 7.0 ± 5 %. Shore hardness wire insulation 1.25 mm Outer diameter insulation 7.0 ± 5 %. Shore hardness wire insulation 1.25 mm Outer diameter insulation 1.25 mm Canductor or sense wire insulation 1.25 mm Diameter of single wires 0.1 mm Conductor vires servire insulation 0.25 mm ² Material conductor wire Stranded copper wire, bare Conductor vires exection (wire) 0.25 mm ² Carteria dia dapacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Cure	wire arrangement	brown, black, blue, white
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead free, cadmium-free, CPC-free, halogen-free Outer diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) 4,5 mm Material wire insulation PP Amount wires 4 Outer diameter (solved) 1,25 mm Outer diameter insulation 1,25 mm Outer diameter (solved) ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient teeness wire insulation 125 mm Conter diameter (wire) 32 Diameter of single wires 0,1 mm Conductor type (wire) 32 Diameter of single wires 0,1 mm Conductor type (wire) \$trand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Cartexical seitance line cone		33 g/m
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-free, halogen-free Outer diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material twe insulation PP Amount wires 4 Outer diameter (sheath) 1.25 mm Outer diameter core insulation 1.25 mm Outer diameter core insulation 1.25 Shore D Ingredient freeness wire insulation lead free, cadmium free, CFC-free, halogen-free, allicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm ² Material Conductor wire Stranded coper wire, bare Conductor type (wire) strande class 6 Normal voltage AC max. 300 V Current load capacity (strandard) 10 DN VDE 0298.4 Current load capacity (strandard) 2,5 kV Ø 60 s <		-
Outer-dameter (jacket) 4,5 mm Tolerance outer diameter (sheath) 1 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 1 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-tree, cadmium-tree, CFC-free, halogen-free, elicone-free Amount stands (wire) 32 Diameter of sile wires 0.1 mm Conductor crosssection (wire) 0.25 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 Curr		90 ± 5 Shore A
Outer-dameter (jacket) 4,5 mm Tolerance outer diameter (sheath) 1 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 1 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-tree, cadmium-tree, CFC-free, halogen-free, elicone-free Amount stands (wire) 32 Diameter of sile wires 0.1 mm Conductor crosssection (wire) 0.25 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 Curr	-	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Anount wires 4 Outer diameter insulation 1.25 mm Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Conductor coressection (wire) 32 Diameter of single wires 0,1 mm Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (stindard) to DIN VDE 0298-4 Current load capacity (stindard) to DIN VDE 0298-4 Current load capacity (stindard) to DIN VDE 0298-4 Current load capacity (stindard) 2,5 KV @ 60 s Power frequency withstand voltage (wire - ing) 2,5 KV @ 60 s Min. operating temperature (stalic) -40 °C Max. operating temperature (stalic) -40 °C Max. operating temperature (stalic) -40 °C Min. operating temp		
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 70 ± 5 Shore D Ingredient freeness wire insulation 8 ± 5 % Diameter of single wires 0,1 mm Conductor crossection (wire) 0,25 mm² Diameter of single wires 0,1 mm Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0284.4 Current load capacity min, wire 3,6 A Electrical resistance line constant wire 79 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (statc) -40 °C Max. operating temperature (statc) -40 °C Max. operating temperature (statc) 80 °C / 90 °C @ 10000 h Operation Operating temperature (statc) 80 °C / 90 °C @ 10000 h Operation Famer ensistance Good, application-related testing		±5%
Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Imgredient freeness wire insulation 8ad-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor trops (wire) stranded copper wire, bare Conductor wire 300 V Curre	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wrie insulation 70 ± 5 Shore D Ingredient freeness wrie insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - site) 2.5 kV @ 60 s Power frequency withstand voltage (wire - site) -25 °C Operating temperature (static) -40 °C Max. operating temperature (static) -80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Conserting temperature max. (dynamic) 5 x Outer diameter Bending radius (fixed) 5 x Out	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) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current to acpacity (standard) to DIN VDE 0298-4 Current to acpacity (standard) 50 % V 90 % C Power frequency withstand voltage (wire - 2,5 kV @ 60 s jacket) 2,5 kV @ 60 s Contarity temp	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,25 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 (wine) 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 min. (dynamic) -25 °C Operating resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor rosssection (wire) 0.25 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 Combination (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2.5 kV @ 60 s Power frequency withstand voltage (wire - 2.5 kV @ 60 s Gapacity temperat	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 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 - wire) 2,5 KV @ 60 s Power frequency withstand voltage (wire - iacket) 2,5 KV @ 60 s Power frequency withstand voltage (wire - iacket) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -25 °C Operating temperature (static) -25 °C Operating temperature (static) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Glassitance Good, application-related testing Oil resistance Good, applic	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,25 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) to DIN VDE 0298-4 Current load capacity (standard) 2,5 KV @ 60 s AC withstand voltage (wire - wire) 2,5 KV @ 60 s Power frequency withstand voltage (wire - inter) 2,5 KV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature (static) -20 °C @ 10000 h Operation Flame resistance IEC 60332-22 UL 1581 § 100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing IDIN EN 60811-404 Bending radius (stread) 5 x Outer diameter Bendin	Amount strands (wire)	32
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3.6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - isoparature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 I UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-	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 (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2,5 kV @ 60 s Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) -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 Flame resistance IEC 60332-2-2 IU L 1581 § 1000 IU L 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 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 (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 I UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track)10 Mio. @ 25 °CTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (mixed) 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 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 Mio. @ 25 °C <	Conductor type (wire)	strand class 6
Current load capacity min. wire 3,6 A Electrical resistance line constant wire 79 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 Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 79 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 Flame resistance IEC 60332-2-2 UL 1581 § 1000 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing 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	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 Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 N 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 st	Current load capacity min. wire	3,6 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 OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi N © Uter diameterNo. of bending cycles (C-track)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	Electrical resistance line constant wire	79 Ω/km @ 20 °C
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 OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °CNo. of torsion cycles2 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 OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil soluter diameterNo. 60 bending cycles (C-track)No. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		2,5 kV @ 60 s
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi vouter diameterS × Outer diameterBending radius (dynamic)10 × 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 OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDil resistanceGood, application-related testingOil resistanceGood, application-related testingDil resistanceGood, application-related testingDi x Outer diameterNo. of bending cycles (C-track)No. of bending cycles (C-track)10 Mio. @ 25 °CTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	-25 °C
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	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer 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	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 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: 2024-06-25

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