

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

PUR 4x0.25 bk UL/CSA 15m

## **⚠ NOTICE ⚠** PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Male straight

M8 (Snap In), 4-pole

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

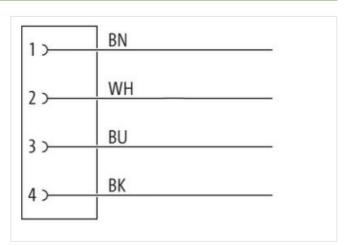
The resistance to aggressive media should be individually tested for your application. Further details on request.

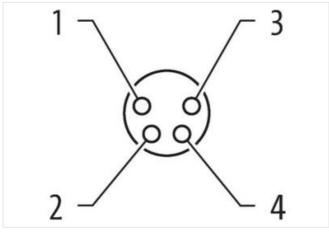
Further cable lengths on request.

## **Link to Product**

## Illustration









Product may differ from Image











Cable length

15 m



stay connected

Side 1	
Mounting method	inserted
Family construction form	M8
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	straight
Coding Material	A 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 GTIN	85444290 4048879225496
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)	1
Mechanical data   Material data	
Material screw connection	PUR
Mechanical data   Mounting data	
	Snan In
Looking 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	<b>Attention:</b> 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)

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: 2024-06-26



stay connected

wise arrangement         brown, black, blue, white           Cable (rype)         2           Jacket (Or)         black           Type of Certificate         culfus           Armount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         32,01 gm           Makerial jacket         PUR           Shore hardwas jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         85 ± 5 Shore A           Culter diameter (asket)         4,5 mm           Outer diameter (asket)         4,5 mm           Tolerance outer diameter (asket)         4,5 mm           Tolerance outer diameter (asket)         4,5 mm           Amount wires         4           Quiter diameter (asket)         4,5 mm           Outer diameter (asket)         4,5 mm           Outer diameter (asket)         4,5 mm           Voluer diameter (asket)         4,5 mm           Outer diameter (asket)         4,5 mm           Shore braches in insulation         2,5 %           Shore braches in switer insulation         2,5 %           Shore braches in switer insulation         1,0 mm           Ingredi		
Cable Spentification         621           Cable Type         2           Lycked Color         black           Type of Certificate         URUs           Annount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigh         320,1 gm           Material alcaket         PUR           Shore hardness jacket         65 ± 5 Shore A           Froedom from ingedienta (jacket)         10ed five, cadminum free, CFC-free, silicone-free           Outer diameter (jacket)         4.6 mm           Tolerance unicer diameter (sheath)         5 5 %           Material vive insulation         PVC           Amount wires         4           Outer diameter (sheath)         4.5 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         4.5 %           Material properties wire insulation         4.5 % shore D           Material	Installation   Cable	
Cable Type         2           Jacket Color         black           Jacket Color         black           Jacket Color         black           Amount stranding         1           Stranding         4 wire twisted           wire a rangement         brown, black, blue, white           Cable weigh         32,01 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freadom from ingredients (glacket)         4,6 mm           Older disameter (jacket)         4,5 mm           Tolerance outer dismeter (jacket)         4,5 mm           Tolerance outer dismeter (jacket)         4,5 mm           Tolerance outer dismeter (jacket)         4,5 mm           Outer dismeter (jacket)         5 %           Share hardness wire insulation         1,25 mm           Outer dismeter (jacket)         43 ± 5 Shore D           Material properties wire insulation         1,25 mm           Injumpter (jacket)         32 2           Diameter of single wire sive insulation         1,3 mm           Cond	wire arrangement	brown, black, blue, white
Jacket Color	Cable identification	621
Type of Certificatie CUPius Amount stranding 1 Amount stranding 1 Amount stranding 4 Avires twisted  stranding 4 wires twisted  stranding 4 wires twisted  stranding 3.2.01 g/m  Material picket PUPR  Shore hardness jacket PUPR  Shore hardness jacket 1 Freedom from ingredients (jacket) 1 Beat-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,6 mm  Tolerance outer diameter (hebath) 1.5 %  Amount wires  Amount wires 4 Amount strands (wire) 1 Liz5 mm  Outer diameter inclusion 1 Liz5 mm  Outer diameter tolerance core insulation 1 Shore hardness wire insulation 2 Amount strands (wire) 3 Biometer of single wires 0 Diameter of single wires 0 Diame	Cable Type	2
Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigh         32.01 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         ± 5 %           Material wire insulation         2 %           Tolarance outer diameter (eleath)         ± 5 %           Material wire insulation         PVC           Outer diameter insulation         1,25 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Material properties wire insulation         ± 5 %           Ingredient freeness wire insulation         good machinability           Ingredient freeness wire insulation         good machinability           Ingredient freeness wire insulation         32           Diameter of single wires         0,1 mm           Conductor type (wire)         32           Diameter of single wires         0,1 mm           Conductor type (wire)         stranded copper wir	Jacket Color	black
Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         32,01 gm           Material jackert         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         ± 25 mm           Outer diameter tolerance core insulation         ± 5 %           Material properties were insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Material properties were insulation         ± 3 ± 5 Shore D           Material properties were insulation         ± 3 ± 5 Shore D           Amount strands (wire)         32           Diamater of single wires         0,1 mm           Conductor pressection (wire)         0.25 mm²           Material conductor wire         5 tranded copper wire, bare           Conductor by conductor year (wire)         \$ strand class 6           Nominal voltage AC max.         300 V           Current load cap	Type of Certificate	cURus
wire arrangement brown, black, blue, white Cable weight 32,01 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Annount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 4 ± 5 % Shore hardness wire insulation 4 ± 5 % Shore hardness wire insulation 4 ± 5 % Shore hardness wire insulation 4 ± 5 % Material properties wire insulation 4 ± 5 % Shore hardness wire insulation 4 ± 5 %  Material properties wire insulation 4 ± 5 %  Material properties wire insulation 4 ± 5 %  Material conclusion wire insulation 4 ± 5 %  Shore hardness properties wire insulation 5 to 10 mm  Material properties wire insulation 5 ± 5 mm  Material conclusion wire 5 ± 5 mm²  Conductor crosssection (wire) 32  Diameter of single wires 0,1 mm  Conductor trype (wire) 5 ± 5 mm²  Conductor type (wire) 7 ± 5 mm²  Conductor type (wire) 7 ± 5 mm²  Conductor type (wire) 8 ± 5 mm²  Conductor type (wire) 8 ± 5 mm²  Conductor type (wire) 8 ± 5 mm²  Conductor type (wire) 9 ± 5 mm²  Conductor type (wire)	Amount stranding	1
Cable weigh         32,01 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4.6 mm           Toflerance unter diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         ± 5 % fore D           Material properties wire insulation         ± 5 % fore D           Material properties wire insulation         ± 5 % fore D           Impredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor ressection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded acpacity wish deas 6           Mominal voltage AC max         300 V           Current load capacity (in, wire)         3,6 A           Electrical resistance line constant wire         79 0 km @ 20 ° C           AC withstand voltage (wire - wire) <td>Stranding</td> <td>4 wires twisted</td>	Stranding	4 wires twisted
Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         43 ± 5 Shore D           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0,25 mm²           Material conductor vire         Stranded copper wire, bare           Conductor type (wire)         9,25 mm²           Material conductor vire         Stranded copper wire, bare           Conductor type (wire)         9 stranded copper wire, bare           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN Vm @ 20 °C           AC withst	wire arrangement	brown, black, blue, white
Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer diameter (jacket)         4 6 mm           Tolerance outer diameter (shealth)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter bolerance core insulation         1,25 mm           Outer diameter bolerance core insulation         3 ± 5 Shore D           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         92 ± 5 Shore D           Material streams wire insulation         1,25 mm           Ingredient freeness wire insulation         92 ± 5 Shore D           Material conductor in sulation         1,1 mm           Conductor strands (wire)         32           Diameter of single wires         0,1 mm           Conductor transsection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded cape;           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 2398-4           Current load capacity min. wire         3,6 A           Electrical resistance line constant w	Cable weigth	32,01 g/m
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4.6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Anount wires         4           Outer diameter tolerance core insulation         1,25 mm           Cluter diameter tolerance core insulation         43 ± 5 Shore D           Material properties wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         good machinability           Ingredient freeness wire insulation         good machinability           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 wink. wire         3.6 A           Electrical resistance in constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2kV @ 60 s	Material jacket	PUR
Outer-diameter (jacket)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter folerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-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 withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature (mice)         80 °C	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 43 ± 5 % hore D  Material properties wire insulation 43 ± 5 % hore D  Material properties wire insulation 43 ± 5 % hore D  Material properties wire insulation lead-free, cadmium-free, CFC-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 (standard) to DIN VDE 0298-4  Current load capacity win. wire 3,6 A  Current load provide wire on the wire of t	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crossaction (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 inn. wire         3,6 A           Electrical resistance line constant wire         79 Okm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (mix.)         80 °C           Operating temperature mix. (dynamic)         -5 °C           Operatin	Outer-diameter (jacket)	4,6 mm
Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-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 (standard)         to DIN VDE 0298-4           Current load capacity (wire incenstant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         3.6 A           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature (static)         -5 °C           Operating temperature (min. (dynamic)         5 °C	Tolerance outer diameter (sheath)	± 5 %
Outer diameter Insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-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 min. wire         3,6 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         -6 °C           Lame resistance         IDIN EN 1504 4892-2 A           Flame resistance         Good, application-related testing	Material wire insulation	PVC
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-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 min. wire         3.6 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Max. operating temperature (static)         -30 °C           Max. operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         10 °C           UV resistance         IEC 60332-22 [UL 1581 § 1909   UL 1581 § 1100 FT2           chemical resistance </td <td>Amount wires</td> <td>4</td>	Amount wires	4
Shore hardness wire insulation 43 ± 5 Shore D  Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-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 (standard) to DIN VDE 0298-4  Current load capacity win. wire 3,6 A  Electrical resistance ine constant wire 79 Ωkm @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - wire) 3.0 °C  Max. operating temperature (fixed) 80 °C  Operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  UV resistance DIN RIN ISO 4892-2 A [Ill 1581 § 1000   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Bending radius (fixed) 10 x Outer diameter  Bending radius (fixed) 5 x @ 25 °C   horizontal	Outer diameter insulation	1,25 mm
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (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 02km @ 20 °C AC withstand voltage (wire - wire) 2 kW @ 60 s Power frequency withstand voltage (wire - jacket) 30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Bending radius (fixed) 10 × Outer diameter Bending radius (fixed) 5 m @ 25 °C   horizontal	Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free	Shore hardness wire insulation	43 ± 5 Shore D
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 min. wire         3,6 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (istatic)         -30 °C           Max. operating temperature (istatic)         -30 °C           Max. operating temperature (ixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         IEC 60332-2-2   UL 1581 § 1900   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         10 x Outer diame	Material properties wire insulation	good machinability
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 min. wire         3,6 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - injacket)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           UV resistance         DIN EN ISO 4892-2 A           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           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Bending radius (fixed)	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)       0,25 mm²²         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       3,6 A         Electrical resistance line constant wire       79 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - included)       30 °C         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   Ut. 1581 § 1090   Ut. 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter	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 min. wire 3,6 A  Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - 2 kV @ 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  UV resistance DIN EN ISO 4892-2 A  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  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 5 m @ 25 °C   horizontal	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         3,6 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - ajacket)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           UV resistance         DIN EN ISO 4892-2 A           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   DIN EN 60811-404           Bending radius (fixed)         10 x Outer diameter           Bending radius (dynamic)         15 x Outer diameter           No. of bending cycles (C-track)         2 Mio. @ 25 °C           Traversing distance (C-track)         5 m @ 25 °C   horizontal	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity (standard)  Current load capacity min. wire  3,6 A  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Operating temperature (fixed)  AC withstand woltage (wire - wire)  Bo °C  Operating temperature (fixed)  Operating temperature min. (dynamic)  Vi resistance  DIN EN ISO 4892-2 A  Flame resistance  EC 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  Oil resistance  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  Traversing distance (C-track)  5 m @ 25 °C   horizontal	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 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Min. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         UV resistance       DIN EN ISO 4892-2 A         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   DIN EN 60811-404         Bending radius (fixed)       10 x Outer diameter         Bending radius (fixed)       15 x Outer diameter         No. of bending cycles (C-track)       2 Mio. @ 25 °C         Traversing distance (C-track)       5 m @ 25 °C   horizontal	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 kV @ 60 s  Power frequency withstand voltage (wire - jacket) -30 °C  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  UV resistance DIN EN ISO 4892-2 A  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   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 2 Mio. @ 25 °C   horizontal	Nominal voltage AC max.	300 V
Electrical resistance line constant wire       79 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         UV resistance       DIN EN ISO 4892-2 A         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   DIN EN 60811-404         Bending radius (fixed)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter         No. of bending cycles (C-track)       2 Mio. @ 25 °C   horizontal	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  -30 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  80 °C  UV resistance  DIN EN ISO 4892-2 A  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  Oil resistance  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  5 m @ 25 °C   horizontal	Current load capacity min. wire	3,6 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Gasoline resistance  Good, application-related testing  Gasoline resistance  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing  DIN EN 60811-404  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  5 m @ 25 °C   horizontal	Electrical resistance line constant wire	79 Ω/km @ 20 °C
jacket)  Min. operating temperature (static)  As °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  So °C  Operating temperature max. (dynamic)  Bo °C  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  So °C  Operating temperature max. (dynamic)  So °C  Operating temperature max. (dynamic)  So °C  Operating temperature max. (dynamic)  Bo °C  DIN EN ISO 4892-2 A  Flame resistance  Good, application-related testing  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C   horizontal	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A 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   DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C   horizontal	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic)  80 °C  UV resistance DIN EN ISO 4892-2 A  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  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Min. operating temperature (static)	-30 ℃
Operating temperature max. (dynamic) 80 °C  UV resistance DIN EN ISO 4892-2 A  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 DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Max. operating temperature (fixed)	80 °C
UV resistance DIN EN ISO 4892-2 A  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  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Operating temperature min. (dynamic)	-5 °C
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  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Operating temperature max. (dynamic)	80 °C
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	UV resistance	DIN EN ISO 4892-2 A
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	chemical resistance	Good, application-related testing
Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C   horizontal	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C   horizontal	Oil resistance	Good, application-related testing   DIN EN 60811-404
No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Bending radius (fixed)	10 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C   horizontal	Bending radius (dynamic)	15 x Outer diameter
	No. of bending cycles (C-track)	2 Mio. @ 25 °C
Travel speed (C-track) 3,3 m/s @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C   horizontal
	Travel speed (C-track)	3,3 m/s @ 25 °C