

## M8 male $90^{\circ}$ / M8 female $90^{\circ}$ A-cod. snap-in LED

PUR 3x0.25 ye UL/CSA+robot+drag ch. 2m

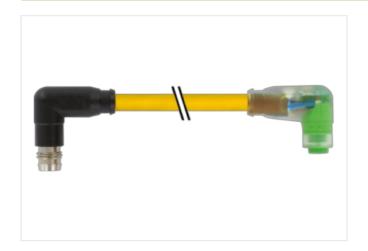
Male 90° – female 90° M8 (Snap In) – M8 (Snap In), 3-pole 2× LED (PNP), (NPN) on request Further cable lengths on request.

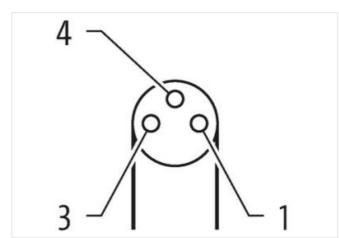
Plastic housings with good resistance against chemicals and oils.

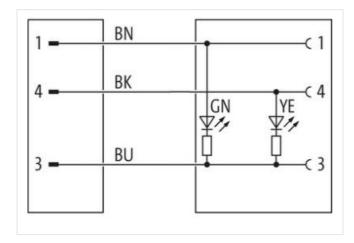
The resistance to aggressive media should be individually tested for your application. Further details on request.

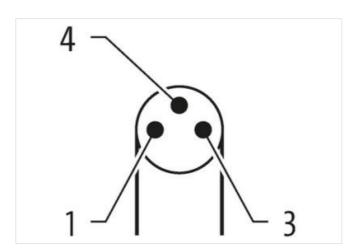
## **Link to Product**

## Illustration





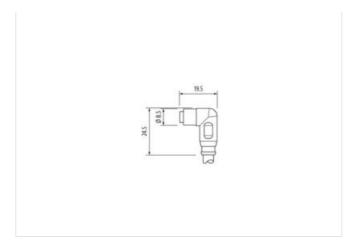






stay connected





Product may differ from Image











Cable length	2 m
Side 1	
Thread	M8
suitable for corrugated tube (internal Ø)	6,5 mm
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, yellow
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65
Additional condition protection degree	inserted, locked
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Material housing	PUR
Mechanical data   Mounting data	
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	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-09



stay connected

Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.3 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter rolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         18-6 mm           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)         stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         70 km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating te	Product standard	DIN EN 61076-2-114 (M8)
Cable Type         5           Jacket Color         yellow           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires restricted           wire arrangement         brown, Nack, Blue           Framewing distance (C-track)         5 m @ 25°C   Indicantal           Cable weight         28,4 g/m           Material jacket         PUR           Shore hardmass jacket         PUR           Freedom from ingredients (jacket)         leas free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.3 mm           Toreance outer dameter (sheath)         2.5 %           Material wire insulation         PP           Amount virias         3           Outer diameter Insulation         1.25 mm           Outer diameter Insulation         1.25 mm <t< td=""><td>Installation   Cable</td><td></td></t<>	Installation   Cable	
Jacket Cobr   yellow	Cable identification	050
Type of Certificate         CURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Traversing distance (C-track)         5 m @ 25 m   portractal           Cable weigh         28.4 ym           Material jacket         PUR           Shore hardness jacket         68.4 3 Shore D           Freedom from ingredients (jacket)         68.4 3 Shore D           Curler distance (jacket)         4.3 mm           Toferance outer diameter (jacket)         4.5 %           Material wire insulation         PP           Authority (jacket)         1.2 5 mm           Outer diameter (jacket)         1.2 5 mm	Cable Type	5
Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Traversing distance (C-track) 5 m @ 25 °C   horizontal Cabb weight 28.4 g/m Material jacket PLP Material jacket PLP Freedom from ingedients ((s)cket) 1.4.3 mm Outer diameter (stacket) 4.3 mm Outer diameter (stacket) 1.5 mm Outer diameter insulation PP Amount wires 3 Outer diameter insulation PP Amount wires 3 Outer diameter insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 1.5 mm Outer diameter insulation 1.5 mm Outer diameter insulation 1.5 mm Outer diameter insulation 1.6 mm Outer diameter	Jacket Color	yellow
Stranding         3 wiree twisted           wire arrangement         brown, black, blue           Traversing distance (C-Frack)         5 m @ 25 °C   horizontal           Cable weigh         28.4 g/m           Material jacket         PUR           Shore hardness jacket         98.4 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmum-free, CFC-free, halogen-free, silicone-free           User disameter (jacket)         4.3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wer insulation         PP           Annount wires         3           Outer diameter insulation         1.25 mm           Outer diameter trollerance core insulation         2.5 %           Shore hardness wire insulation         74 ± 3 Shore D           Ingredient feeness wire insulation         2.5 mm           Annount strains (vire)         32           Diameter of single wires         0.1 mm           Conductor crosssection (vire)         0.25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded class 6           Nominal voltage, (strandard)         1.0 DN VID 0298-4           Current load capacity rim. wire         4.5 A           Electric	Type of Certificate	cURus
wire arrangement brown, black, blue Troversing distance (C-track) 5 m @ 25 °C) hortoratal Cable weight 28.4 ym Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) leact-fee, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) 5 5 % Material wire insulation PP Arnount wires 3 Outer diameter insulation 1,25 mm Outer diameter diameter (search 1,25 mm Outer diameter diameter 1,25 mm Outer diameter 1,25 m	Amount stranding	1
Traversing distance (C-track)         \$ m @ 25 °C   horizontal           Cable weight         25,4 g/m           Malerial jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         4,3 mm           Tolerance outer diameter (jacket)         4,3 mm           Tolerance outer diameter (jacket)         4,3 mm           Malerial wire insulation         PP           Annount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         74 ± 3 Shore D           Impredient freeness wire insulation         74 ± 3 Shore D           Impredient freeness wire insulation         74 ± 3 Shore D           Impredient freeness wire insulation         74 ± 3 Shore D           Impredient freeness wire insulation         74 ± 3 Shore D           Impredient freeness wire insulation         74 ± 3 Shore D           Impredient freeness wire insulation         74 ± 3 Shore D           Impredient freeness wire insulation         9.1 mm           Conductor fiver         32           Diameter of single wires         0.1 mm           Conductor fyee (wire)         \$ Standed copper wire, bare	Stranding	3 wires twisted
Cable weight         26.4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         least-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.3 mm           Offerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         4.5 %           Shore hardness wire insulation         4.5 %           Ingredient freeness wire insulation         7.4 ± 3 Shore D           Ingredient freeness wire insulation         3.2           Diameter of single wires         0.1 mm           Conductor crossection (wire)         0.25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         5 strand class 6           Motorial valtage 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 wiristand voltage (wire - wire)         2.5 kV @ 60 s           Min. operating temperature (static)         4.0 °C     <	wire arrangement	brown, black, blue
Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Froedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Amerial wire insulation         PP           Annount wires         3           Outer diameter insulation         1,25 mm           Outer diameter loolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 Shore D           Outer diameter olerance core insulation         ± 5 %           Shore hardness wire insulation         1,25 mm           Outer diameter olerance swire insulation         1,25 mm           Impedient freeness wire insulation         1,25 mm           Outer diameter olerance swire insulation         1,25 mm           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor try (wire)         2,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage (wire)         1,5 M           Current load capacily (standard)         10 IN VE 0298 4	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Uoter-diameter (jacket)         4.8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Shore hardness wire insulation         7 ± 1 3 Shore D           Ingredient freeness wire insulation         1,25 mm           Outer diameter tolerance core insulation         25 %           Material wire insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Ingredient freeness wire insulation         1,4 ± 3 Shore D           Ingredient freeness wire insulation         1,4 ± 3 Shore D           Ingredient freeness wire insulation         1,25 mm           Dispression from the strange wire insulation         2,4 ± 3 Shore D           Ingredient freeness wire insulation         1,4 ± 3 Shore D           Ingredient freeness wire insulation         2,5 mm           Material conductor vires         30 Mm <t< td=""><td>Cable weigth</td><td>26,4 g/m</td></t<>	Cable weigth	26,4 g/m
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Toflerance outer diameter (sheath)         2.5 %           Material wire insulation         PP           Amount wires         3           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         1.25 mm           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor of single wires         0,1 mm           Conductor wire         Stranded copper wire, bare           Conductor twice         Stranded copper wire, bare           Conductor twice         Stranded copper wire, bare           Conductor type (wire)         strand copper wire, bare           Courset 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 voilage (wire - wire)         2,5 kV @ 60 s	Material jacket	PUR
Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material Wire insulation         PP           Amount wires         3           Outer diameter insulation         ± 25 %           Shore hardness wire insulation         ± 25 %           Shore hardness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free           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 (vire)         strand dass 8           Nominal voltage AC max.         300 V           Current load capacity (intamidard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC writistand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,6 kV @ 60 s           Min. operating temperature (stitxed)         80 °C / 90 °C @ 10000 h Operation     <	Shore hardness jacket	58 ± 3 Shore D
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter Insulation         1,25 mm           Outer diameter tolerance core insulation         2 5 %           Shore hardness wire insulation         74 ± 3 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 vire         Stranded copper wire, bare           Conductor vire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal vollage AC max.         300 V           Current load capacity standard         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         79 Oktra @ 20 °C           AC withstand vollage (wire - gacket)         2,5 kV @ 60 s           Power frequency withstand vollage (wire - gacket)         2,5 kV @ 60 s           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         25 °C           Operating temperature max. (dynamic)         50 °C @ 100000 h Op	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter folorance core insulation         74 ± 3 Shore D           Ingredient feeness wire insulation         74 ± 3 Shore D           Ingredient feeness wire insulation         14 ± 3 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 voitage 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 - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (fixed)         40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         2.5 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operatio	Outer-diameter (jacket)	4,3 mm
Amount wires         3           Outer diameter rolerance core insulation         ±.5 mm           Shore hardness wire insulation         ±.5 %           Shore hardness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Armount 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 wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (ixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dyna	Tolerance outer diameter (sheath)	± 5 %
Outer diameter losariation         1,26 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 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 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           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 - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Min. operating temperature (static)         40 °C           Min. operating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -00 °C @ 10000 h Operation           Flam	Material wire insulation	PP
Outer dameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 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 load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         79 0/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         U.1 581 § 1909   U.1 581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing	Amount wires	3
Shore hardness wire insulation         74 ± 3 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 single wires         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         4,5 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 - wire)         2,5 kV @ 60 s           Jacket)         80 °C / 90 °C @ 10000 h Operation           Max. operating temperature (static)         40 °C           Max. operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing	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 crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor tye (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 (strin. wire)         4,5 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 - wire)         2,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C@ 10000 h Operation           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 § 1090   UL 1581 § 1100 FTZ   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance	Outer diameter tolerance core insulation	± 5 %
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)         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 - alacket)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         90 °C / 90 °C @ 10000 h Operation           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         DIN EN 68011-404   Good, application-related testing           Bending radius (fixed)         5 x Outer diameter <t< td=""><td>Shore hardness wire insulation</td><td>74 ± 3 Shore D</td></t<>	Shore hardness wire insulation	74 ± 3 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 min, wire         4,5 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 - gacket)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature (standard)         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 § 190 l UL 1581 § 1100 FT2   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 dia	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 min. wire         4,5 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)         4,5 C           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 § 1909   UL 1581 § 1100 FT2   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           Bending radius (fixed)         5 x Outer diameter           Travel speed (C-track)         10 Mio. @ 2	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)         4.5 A           Electrical resistance line constant wire         4.5 A           Electrical resistand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - isolate)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (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 § 1190   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oll resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 × Outer diameter           Travel speed (C-track)         10 × Couter diameter           Torsion speed	Diameter of single wires	0,1 mm
Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.5 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 (fixed)         80 °C / 90 °C @ 10000 h Operation           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         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oll resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Travel speed (C-track)         10 Mio. @ 25 °C           No. of torsion cycles         1 Mio. </td <td>Conductor crosssection (wire)</td> <td>0,25 mm²</td>	Conductor crosssection (wire)	0,25 mm²
Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 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 (static)         -40 °C           Max. operating temperature min. (dynamic)         25 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   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 × Cuter diameter           Bending radius (dynamic)         10 × Outer diameter           Travel speed (C-track)         10 Mio. @ 25 °C           No. of torsion cycles         1 Mio.           Torsion stress         ± 360 °/m <t< td=""><td>Material conductor wire</td><td>Stranded copper wire, bare</td></t<>	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4.5 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) 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  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1190   UL 1581 § 1100 FT2   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  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m  Torsion speed 35 cycles/min  Commercial data  customs tariff number 85444290	Conductor type (wire)	strand class 6
Current load capacity min. wire       4,5 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       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       1 Mio.         Torsion stress       ± 360 °/m         Torsion speed       35 cycles/min         Commercial data         customs tariff number       85444290	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 - izcket) 2,5 kV @ 60 s  Min. operating temperature (static) 40 °C  Min. 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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m  Torsion speed 55444290	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 UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ±360 °/m  Torsion speed 35 cycles/min  Commercial data  customs tariff number 85444290	Current load capacity min. wire	4,5 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Au °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  1 Mio.  Torsion speed  Commercial data  Customs tariff number  85444290	Electrical resistance line constant wire	79 Ω/km @ 20 °C
Sk V @ 60 S	AC withstand voltage (wire - wire)	2,5 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 § 1090   UL 1581 § 1100 FT2   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  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m  Torsion speed 35 cycles/min  Commercial data  customs tariff number 85444290		2,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) So °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m  Torsion speed  Commercial data  customs tariff number 85444290	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m  Torsion speed  Commercial data  customs tariff number  85444290	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m  Torsion speed 35 cycles/min  Commercial data  customs tariff number 85444290	Operating temperature min. (dynamic)	-25 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m Torsion speed 35 cycles/min  Commercial data customs tariff number 85444290	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 Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m  Torsion speed 35 cycles/min  Commercial data  customs tariff number 85444290	Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m  Torsion speed 35 cycles/min  Commercial data  customs tariff number 85444290	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m  Torsion speed 35 cycles/min  Commercial data  customs tariff number 85444290	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m  Torsion speed  35 cycles/min  Commercial data  customs tariff number  85444290	Oil resistance	DIN EN 60811-404   Good, application-related testing
Travel speed (C-track)  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m  Torsion speed  35 cycles/min  Commercial data  customs tariff number  85444290	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m  Torsion speed 35 cycles/min  Commercial data  customs tariff number 85444290	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 360 °/m Torsion speed 35 cycles/min  Commercial data  customs tariff number 85444290	Travel speed (C-track)	10 Mio. @ 25 °C
Torsion speed 35 cycles/min  Commercial data  customs tariff number 85444290	No. of torsion cycles	1 Mio.
Commercial data  customs tariff number 85444290	Torsion stress	± 360 °/m
customs tariff number 85444290	Torsion speed	35 cycles/min
	Commercial data	
Packaging unit 1	customs tariff number	85444290
	Packaging unit	1