

## M8 male 90° / M8 female 90° A-cod. snap-in LED

PUR 3x0.25 gy UL/CSA 1.5m

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

 $\label{eq:male 90} \begin{array}{l} \text{Male 90}^{\circ} - \text{female 90}^{\circ} \\ \text{M8 (Snap In)} - \text{M8 (Snap In), 3-pole} \\ 2\times \text{ LED (PNP), (NPN) on request} \end{array}$ 

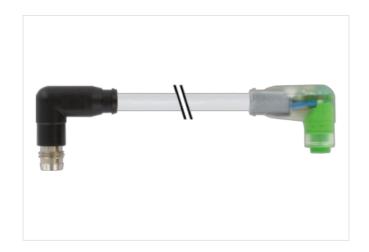
Further cable lengths on request.

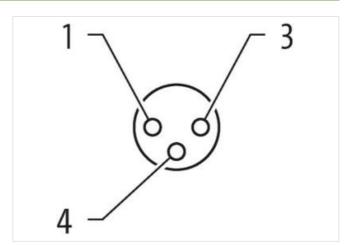
Plastic housings with good resistance against chemicals and oils.

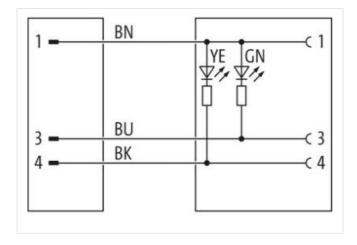
The resistance to aggressive media should be individually tested for your application. Further details on request.

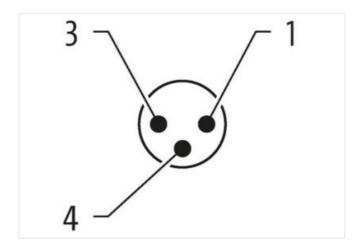
### **Link to Product**

#### Illustration



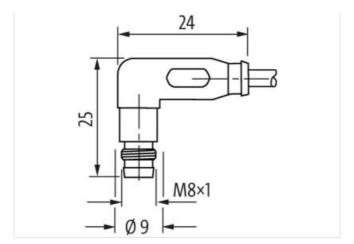


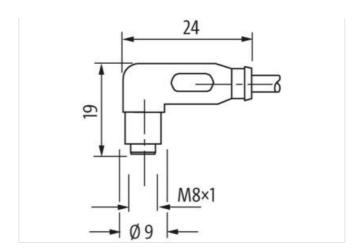


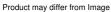




stay connected

















Cable length	1,5 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
Conformity	
Product standard	DIN EN 61076-2-114 (M8)
Installation   Cable	
Cable identification	220



## stay connected

Type of Certificate	Cable Type	2
Stranding   3 wires twisted	Jacket Color	gray
Stranding   3 wires twisted	Type of Certificate	cURus
wire arrangement         brown, black, blue           Cable weight         25,62 pm           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4,3 mm           Tolerance outer diameter (jacket)         4,3 mm           Tolerance outer diameter (jacket)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         43 ± 5 Shore D           Material properties wire insulation         43 ± 5 Shore D           Material properties wire insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Outer diameter (sheet)         3,2 mm           Diameter of single wires         0,1 mm           Conductor by (wire)         32           Diameter of single wires         0,1 mm           Conductor type (wire)         5 made doopper wire, bare           Conductor type (wire)         5 me 25 °C) I horizontal </td <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Cable weight         26,62 g/m           Material jacket         PUR           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer - diameter (jacket)         4,3 mm           Tolerance outer diameter (shalt)         ± 5 %           Material were insulation         PVC           Amount wires         3           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         43 ± 5 Shore D           Material properties wire insulation         9 ± 5 Shore D           Material properties wire insulation         125 Mm           Ingredient feeness wire insulation         124 Text           Ingredient feeness wire insulation         124 Text           Ingredient feeness wire insulation         124 Text           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor pressection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand dass 8	Stranding	3 wires twisted
Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4.3 mm           Tolerance outer diameter (jacket)         4.3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         43 ± 5 Shore D           Shore hardness 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 reassection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         2 lm @ 25 °C   horizontal           Travel speed (C-track)         2 lm @ 25 °C   horizontal           Travel speed (C-track)         2 lm @ 26 °C   horizontal           Travel speed (C-track)         2 lm @ 26 °C   horizontal           Travel speed (C-track)         2 lm @	wire arrangement	brown, black, blue
Shore hardness jacket	Cable weigth	26,62 g/m
Freedom from Ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free	Material jacket	PUR
Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter 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 crossection (wire)         0,25 mm²           Conductor type (wire)         Strand doopper wire, bare           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity rini, wire         4,5 A <t< td=""><td>Shore hardness jacket</td><td>85 ± 5 Shore A</td></t<>	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (shealth)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation         PVC           Amount wires         3           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 reness 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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   Nominal voltage AC max.           Nominal voltage AC max.         300 V           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         49 0/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Operating temperature (static)         30 °C	Outer-diameter (jacket)	4,3 mm
Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         good machinability           Ingredient freeness 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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         2 Mio. @ 25 °C           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 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C	Tolerance outer diameter (sheath)	±5%
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 crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         2 Mio. @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity min. wire         4,5 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 - injected)         2 kV @ 60 s           Min. operating temperature (static)         30 °C           Max. operating temperature (static)         80 °C           Operating temperature min. (dynamic)         5 °C           Operating temperature max. (dynamic)	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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         2 Mio, @ 25 °C           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 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Max. operating temperature (static)         -30 °C           Max. operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max.	Amount wires	3
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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         2 Mio. @ 25 °C           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 kV @ 60 s           Power frequency withstand voltage (wire - giacket)         30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         -5 °C           Commercial dat         Ux	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)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         2 Mio. @ 25 °C           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 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 (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         -5 °C           Commercial temperature min. (dynamic)         -5 °C           Din En 60811-40/4 (Good, applic	Outer diameter tolerance core insulation	±5%
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 Traversing distance (C-track) 5 m @ 25 °C   horizontal Travel speed (C-track) 2 Mio. @ 25 °C 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 kV @ 60 s Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - a)cacket) 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 UL 1581 § 1090   EC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DINE 60811-404   Good, application-related testing Bending radius (fixed) 10 x Outer diameter  Commercial data customs tariff number 85444290	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  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  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) 2 kW @ 60 s  Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kW @ 60 s  Power frequency withstand voltage (wire - gacket) 30 °C  Max. operating temperature (static) 30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) 5 °C  Coperating temperature min. (dynamic) 60 °C  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance DIN E 60811-404   Good, application-related testing  Bending radius (fixed) 10 × Outer diameter  Commercial data  customs tariff number 85444290	Material properties 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  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  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) 2 kW @ 60 s  Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kW @ 60 s  Power frequency withstand voltage (wire - gacket) 30 °C  Max. operating temperature (static) 30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) 5 °C  Coperating temperature min. (dynamic) 60 °C  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance DIN E 60811-404   Good, application-related testing  Bending radius (fixed) 10 × Outer diameter  Commercial data  customs tariff number 85444290	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Travel speed (C-track)     2 Mio. @ 25 °C       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 kV @ 60 s       Power frequency withstand voltage (wire - iacket)     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       Flame resistance     UL 1581 § 1990   IEC 60332-2-2   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (dynamic)     15 x Outer diameter       Bending radius (dynamic)     15 x Outer diameter       Commercial data       customs tariff number     85444290	Amount strands (wire)	32
Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Travel speed (C-track)     2 Mio. @ 25 °C       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 kV @ 60 s       Power frequency withstand voltage (wire - iacket)     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       Flame resistance     UL 1581 § 1990   IEC 60332-2-2   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (dynamic)     15 x Outer diameter       Bending radius (dynamic)     15 x Outer diameter       Commercial data       customs tariff number     85444290	Diameter of single wires	0,1 mm
Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Travel speed (C-track)  2 Mio. @ 25 °C  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 kV @ 60 s  Power frequency withstand voltage (wire - iacket)  iacket)  Min. 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  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  Bending radius (dynamic)  15 x Outer diameter  Commercial data  customs tariff number  85444290	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 2 Mio. @ 25 °C  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 kV @ 60 s  Power frequency withstand voltage (wire - a) 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  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 10 x Outer diameter  Commercial data  customs tariff number 85444290	Material conductor wire	
Travel speed (C-track)  2 Mio. @ 25 °C  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 kV @ 60 s  Power frequency withstand voltage (wire - ack of the constant wire)  All voltage (wire - wire)  2 kV @ 60 s  Win. 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  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  Bending radius (fixed)  Bending radius (dynamic)  15 x Outer diameter  Commercial data  customs tariff number  85444290	Conductor type (wire)	strand class 6
Travel speed (C-track)  2 Mio. @ 25 °C  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 kV @ 60 s  Power frequency withstand voltage (wire - ack of the constant wire)  All voltage (wire - wire)  2 kV @ 60 s  Win. 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  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  Bending radius (fixed)  Bending radius (dynamic)  15 x Outer diameter  Commercial data  customs tariff number  85444290	Traversing distance (C-track)	5 m @ 25 °C   horizontal
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 \( \Omega \)/km \( \omega \) 0°C AC withstand voltage (wire - wire) 2 kV \( \omega \) 60 s Power frequency withstand voltage (wire - acket) Alian, 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 UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 10 x Outer diameter  Commercial data customs tariff number 85444290		2 Mio. @ 25 °C
Current load capacity (standard)  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  79 \( \textit{ W} \textit{ @ 20 \circ C} \)  AC withstand voltage (wire - wire)  2 kV \( \textit{ @ 60 s} \)  Power frequency withstand voltage (wire - ajacket)  Min. operating temperature (static)  30 \( \circ C \)  Max. operating temperature (fixed)  80 \( \circ C \)  Operating temperature min. (dynamic)  5 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  80 \( \circ C \)  Operating temperature max. (dynamic)  90 \( \circ C \)  Operating temperature max. (dynamic)  10 \( \circ L \)  10 \( \circ C \)  Operating temperature max. (dynamic)  10 \( \circ C \)  10 \( \circ C \)  10 \( \circ C \)  Operating temperature max. (dynamic)  10 \( \circ C \)  11 \( \circ C \)  12 \( \circ C \)  12 \( \circ C \)  13 \( \circ C \)  14 \( \circ C \)  15 \( \circ C \)  16 \( \circ C \)  17 \( \circ C \)  17 \( \circ C \)  18 \( \circ C		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 - 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  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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) 10 x Outer diameter  Commercial data  customs tariff number 85444290	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)  AS °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  80 °C  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  Bending radius (dynamic)  15 x Outer diameter  Commercial data  customs tariff number  85444290	Current load capacity min. wire	4,5 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  As °C  Max. operating temperature (fixed)  Bo °C  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  So °C  Operating temperature max. (dynamic)  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  10 x Outer diameter  Commercial data  Customs tariff number  85444290	Electrical resistance line constant wire	79 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  As °C  Max. operating temperature (fixed)  Bo °C  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  So °C  Operating temperature max. (dynamic)  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  10 x Outer diameter  Commercial data  Customs tariff number  85444290	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  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  Commercial data  customs tariff number 85444290	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) So C  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  Commercial data  customs tariff number 85444290	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  Commercial data  customs tariff number 85444290	Max. operating temperature (fixed)	80 °C
Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  Commercial data  customs tariff number  85444290	Operating temperature min. (dynamic)	-5 °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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter  Commercial data customs tariff number 85444290	Operating temperature max. (dynamic)	80 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter  Commercial data customs tariff number 85444290	Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  Commercial data  customs tariff number 85444290	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  Commercial data  customs tariff number 85444290	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter  Commercial data  customs tariff number 85444290	Oil resistance	DIN EN 60811-404   Good, application-related testing
Commercial data customs tariff number 85444290	Bending radius (fixed)	10 x Outer diameter
customs tariff number 85444290	Bending radius (dynamic)	15 x Outer diameter
	Commercial data	
Packaging unit 1	customs tariff number	85444290
	Packaging unit	1