

## M12 male 0° / M12 female 0° A-cod.

TPE 5x22AWG ye UL/CSA. ITC/PLTC 1.5m

Male straight – female straight M12 – M12, 5-pole USA

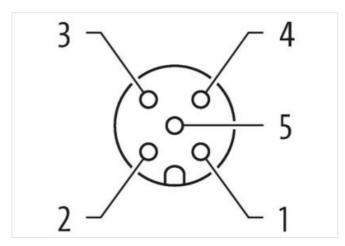
Plastic housings with good resistance against chemicals and oils.

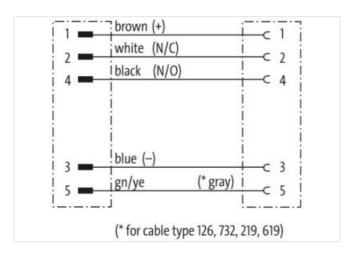
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

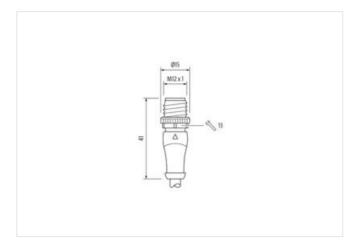
## **Link to Product**

## Illustration



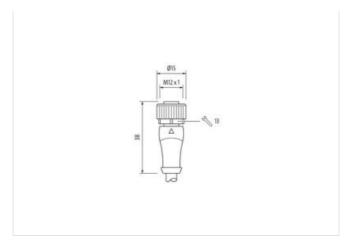


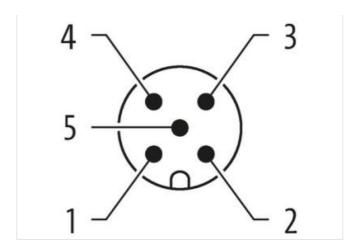






stay connected





Product may differ from Image











Cable length	1,5 m
Side 1	
Mounting method	inserted, screwed
Family construction form	M12
No. of poles	5
Side 2	
Mounting method	inserted, screwed
Family construction form	M12
No. of poles	5
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879747905
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Device protection   Electrical	
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	



		stay connected
locking	Nickeled	

Environmental characteristics   Climates         25 ° C           Operating temperature max.         85 ° G           Additional condition temperature vange         depending on eable quality           Important installation notes         Note on strain riselial           Note on bending radius         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cable identification         U56           Loaded Carlos         yellow           Type of Certificate         U5Fus           Amount standing         1           Stranding         5 wires around Core tillor byslated           Filler         yes           Very or current         50.4 g/m           Mulerial jacket         10           Cable weigh         50.4 g/m           Mulerial jacket         17E           Freadom from ingredients (jacket)         5.7 mm           Cable weigh         50.4 g/m           Mulerial jacket         17E           Freadom from ingredients (jacket)         5.7 mm           Toler diameter (jacket)         5.7 mm           Toler diameter (jacket)         5.7 mm           Toler diameter (jacket)         4.5 %           Under diameter (jacket)         4.5 %           Un	Coating locking	Nickeled
Operating temperature min. 425 °C Operating temperature max. 86 °C Operating temperature max. 87 °C Operating temperature max. 87 °C Operating temperature max. 90 operating element of temperature max. 90 operating element maximum and temperature detection. 90 operating element maximum and temperature detection. 90 operating element maximum and temperature detection. 90 operating element max. 90 operating element maximum and temperature detection. 90 operating element maximum and temperature detection. 90 operating element maximum and temperature detection. 90 operating element	Locking material	Zinc die-casting
Operating temperature min. 425 °C Operating temperature max. 86 °C Operating temperature max. 87 °C Operating temperature max. 87 °C Operating temperature max. 90 operating element of temperature max. 90 operating element maximum and temperature detection. 90 operating element maximum and temperature detection. 90 operating element maximum and temperature detection. 90 operating element max. 90 operating element maximum and temperature detection. 90 operating element maximum and temperature detection. 90 operating element maximum and temperature detection. 90 operating element	Environmental characteristics   Climatic	
Ciperating temperature many depending on eable quality depending on eable quality (important installation notes) (important	·	2E °C
Additional condition temperature range important installation notes  Note on start noted  Note on start noted  Note on the modified  Note on the modified of the connectors by suitable measures from mechanical loads, e.g., by the usage of cable fees.  Attention: Observe the permissible bendaring radii when bying cables, as the IP protection class can be endangered by excessive bending forces.  Installation I Cable  Cable identification  Up of Certificate  CuPrus  Amount stranding  S wires around Core filler twisted  Filler  yes  were arrangement  Down, black, blue, white, green-yellow  Cable weight  S9,4 gm  Material jacket  TPE  Freedom from ingredients (jacket)  Toterance outer diameter (sheath)  1,27 mm  Outer diameter (sheath)  1,27 mm  Outer diameter insulation  PVC  Amount wires  S1  Diameter of single wires  22 AWG  Current load capacity risk mider  Current load capacity fish and wire  Stranding on the Modified Company withsland voltage (wire wire)  AC with standard voltage (wire wire)  Current load capacity fish and wire  4,5 A  Current load capacity fish and wire  105 °C  Operating temperature (midellor)  AC with standard voltage (wire wire)  Power frequency withsland voltage (wire wire)  AC with standard voltage (wire wire)  Operating temperature (midellor)  AC with standard voltage (wire wire)  Operating temperature (midellor)  Order diameter there wire and the standard of the control of		
Important Installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bunding radius         Aftention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         US           Jacker Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filter         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         594 gm           Material jacket         TPE           Feedom from ingredients (packet)         lead-free, CFC-free, halogen-free           Culer diameter (globalth)         2.5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1.27 mm           Outer diameter insulation         1.28 %           Conductor crosssection (wir	<u> </u>	
Note on strain retirief Note on strain retirief Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  Cable identification   U05 Jackett Color   yellow   Types of Certificate   CURus   Amount stranding   1   Sives around Core filter twisted   Filter   yes   Wine arrangement   brown, black, blue, white, green-yellow   Cable weight   59.4 g/m   Malerial jacket   TPE   Freedom from ingredients (jacket)   5.72 mm   Tolerance outer diameter (jacket)   5.72 mm   Tolerance outer diameter (selenth)   2.5 %   Manderial wire includation   2.5 %   Manderial wire includation   2.57 mm   Outer diameter includation   2.28 NVG   Domination over or insulation   2.58 Wing   Diameter of single wires   2.2 AVVG   Domination over or insulation   2.58 Wing   Diameter of single wires   2.2 AVVG   Domination over or insulation   2.58 Wing   Diameter of single wires   2.2 AVVG   Domination over over or insulation   2.58 Wing   Diameter of single wires   2.2 AVVG   Domination over over over over over over over over	, ,	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.    Cable identification	Important installation notes	
Installation   Cable         Cable identification         UDS           Jackol Color         yellow           Type of Certificate         cURIus           Amount stranding         1           Stranding         5 wres around Core filler twisted           Filler         yellow           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         59,4 g/m           Material jacket         TFE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         5,72 mm           Tolerance under diameter (sheath)         4,5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter tolerance core insulation         1,27 mm           Outer diameter (sheath)         1,5 %           Ingredient freeness wire insulation         1,27 mm           Outer diameter tolerance core insulation         1,27 mm           Outer diameter (shear)         2,2 MVG           Conductor crosssection (wire)         2,2 AWG           Conductor crosssection (wire)         2,2 AWG           Material conductor wire         Stranded copper wire, bare           Nominal vollage AC max.         300 V     <	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Cable identification         U05           Jacket Color         yellow           Type of Certificate         CURus           Amount stranding         1           Stranding         5 wives around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         59.4 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         5.72 mm           Tolerance outer diameter (sheath)         1.5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1.27 mm           Outer diameter insulation         1.27 mm           Outer diameter insulation         1.28 mm           Ingredient freeness wire insulation         1.24 will be added to a proper wire. See a p	Note on bending radius	
Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         59,4 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         5,72 mm           Tolerance outer diameter (jacket)         5,72 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,27 mm           Unter diameter insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crossection (wire)         22 AWG           Conductor crossection (wire)         22 AWG           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         45 A           Current load capacity min. wire         45 A           Electricial resistance line consta	Installation   Cable	
Type of Certificate	Cable identification	U05
Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         59,4 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-ree, CFC-free, halogen-free           Outer-diameter (jacket)         5,72 mm           Toferance outer diameter (sheath)         2.5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter folerance core insulation         1,27 mm           Outer diameter folerance core insulation         1,27	Jacket Color	yellow
Stranding   5 wires around Core filler twisted   yes	Type of Certificate	cURus
Filter yes wire arrangement brown, black, blue, white, green-yellow  Cable weight 59.4 g/m  Material jacket TPE  Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free  Outer-diameter (jacket) 5,72 mm  Tolerance outer diameter (sheath) 5,72 mm  Tolerance outer diameter (sheath) 1,27 mm  Outer diameter tolerance core insulation 1,28 mm  Ingredient freeness wire insulation 1,28 mm  Ingredient	Amount stranding	1
wire arrangement brown, black, blue, white, green-yellow Cable weight 59,4 g/m Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 5,72 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,27 mm Outer diameter insulation 1,27 mm Outer diameter rolerance core insulation 2,2 AWG Conductor crosssection (wire) 19 Diameter of single wires 2,2 AWG Onductor orsssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity standard; 10 IN VDE 0298-4 Current load capacity min. wire 4,5 A Ellectrical resistance leconstant wire 4,6,9 Ω/km @ 20 °C Current load capacity with stand voltage (wire - wire) 2 k V @ 60 s Power frequency withstand voltage (wire - wire) 2 k V @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Flame resistance Good, application-related testing Oil resistance Good (Application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Quer diameter  Travel speed (C-track) 10 Minc.	Stranding	5 wires around Core filler twisted
wire arrangement         brown, black, blue, white, green-yellow           Cable weight         59,4 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         5,72 mm           Tolerance outer diameter (shealth)         ± 5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         ± 5 %           Ingredient freeness wire insulation         ± 2 MG           Conductor crosssection (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Conductor crosssection (wire)         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         4,5 A           Electrical resistance line constant wire         46,9 Ω/m @ 20 °C	Filler	yes
Cable weight         59.4 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (gacket)         5,72 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         ± 5 %           Outer diameter lolerance core insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Outer diameter lolerance core insulation         ± 5 %           Ingredient freeness wire insulation         1.27 mm           Outer diameter folerance core insulation         ± 5 %           Understand (wire)         19           Diameter of single wires         22 AWG           Conductor (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           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         46,9 C/km @ 20 °C           AC withstand vo	wire arrangement	brown, black, blue, white, green-yellow
Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         5,72 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,27 mm           Outer diameter insulation         1,27 mm           Outer diameter insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0288-4           Current load capacity (standard)         to DIN VDE 0288-4           Current load capacity (wire - iscarciant wire         46,9 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - iscket)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         105 °C           Operating temperature (mix. (dynamic)         9	Cable weigth	
Outer-diameter (jacket)         5,72 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,27 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free           Amount stands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         4,5 A           Electrical resistance line constant wire         46,9 0/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 - wire)         2 kV @ 60 s           Min. operating temperature (stact)         -40 °C           Max. operating temperature (stact)         -0 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         Good	Material jacket	TPE
Outer-diameter (jacket)         5,72 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,27 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free           Amount stands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         4,5 A           Electrical resistance line constant wire         46,9 0/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 - wire)         2 kV @ 60 s           Min. operating temperature (stact)         -40 °C           Max. operating temperature (stact)         -0 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         Good	Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,27 mm           Outer diameter tolerance core insulation         ±5 %           Ingredient Treeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crossection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           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 (sinin wire)         4.5 A           Electrical resistance line constant wire         46.9 Q/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)         -40 °C           Max. operating temperature (fixed)         105 °C           Operating temperature max. (dynamic)         -20 °C           Plame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gasoline resi	Outer-diameter (jacket)	
Amount wires         5           Outer diameter insulation         1,27 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           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         46,9 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)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         105 °C           Operating temperature max. (dynamic)         -20 °C           Plame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation         1,27 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor 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         46,9 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - ack with voltage (with volt	Material wire insulation	PVC
Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor 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         46,9 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - yire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         105 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 x Outer diameter           Bending radius (fixed) </td <td>Amount wires</td> <td>5</td>	Amount wires	5
Ingredient freeness wire insulation lead-free, CFC-free  Amount strands (wire) 19  Diameter of single wires 22 AWG  Conductor crosssection (wire) 22 AWG  Material conductor 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 46,9 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 40 °C  Max. operating temperature (fixed) 105 °C  Operating temperature (fixed) 105 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 Kouter diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Outer diameter insulation	1,27 mm
Amount strands (wire) Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 46,9 \(\Omega\)/m \(\omega\) e0 s  Electrical resistance (wire - wire) 2 kV \(\omega\) 60 s  Max. operating temperature (static) 40 °C  Operating temperature (fixed) 105 °C  Operating temperature max. (dynamic) 20 °C  Flame resistance 40 ogod, application-related testing Gasoline resistance Good, application-related testing Oli resistance Bending radius (fixed) 5 x Outer diameter Fravel speed (C-track) 10 Min. No. of torsion cycles  3 Mio.	Outer diameter tolerance core insulation	± 5 %
Diameter of single wires 22 AWG  Conductor crosssection (wire) 22 AWG  Material conductor 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 46,9 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - airch acket) 105 °C  Max. operating temperature (static) -40 °C  Max. operating temperature (fixed) 105 °C  Operating temperature max. (dynamic) -20 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Ingredient freeness wire insulation	lead-free, CFC-free
Conductor crosssection (wire)         22 AWG           Material conductor 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         46,9 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)         -40 °C           Max. operating temperature (fixed)         105 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2           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)         5 x Outer diameter           Travel speed (C-track)         10 Mio.           No. of torsion cycles         3 Mio.	Amount strands (wire)	19
Material conductor wire  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  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - iacket)  Min. operating temperature (static)  Operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Office issistance  Cood, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Bending radius (fixed)  5 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  3 Mio.	Diameter of single wires	22 AWG
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 46,9 \( \Omega \) / km \( \omega \) 20 °C AC withstand voltage (wire - wire) 2 kV \( \omega \) 60 s Power frequency withstand voltage (wire - jacket) 2 kV \( \omega \) 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 \( \green \) 1100 FT2   UL 1581 \( \green \) 1090   IEC 60332-2-2 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) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Conductor crosssection (wire)	22 AWG
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 46,9 \( \Omega \) / km \( \omega \) 20 °C AC withstand voltage (wire - wire) 2 kV \( \omega \) 60 s Power frequency withstand voltage (wire - jacket) 2 kV \( \omega \) 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 \( \green \) 1100 FT2   UL 1581 \( \green \) 1090   IEC 60332-2-2 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) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 46,9 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) -40 °C  Max. operating temperature (fixed) 105 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Nominal voltage AC max.	
Electrical resistance line constant wire 46,9 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) -40 °C  Max. operating temperature (fixed) 105 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 46,9 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) -40 °C  Max. operating temperature (fixed) 105 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.		4,5 A
Power frequency withstand voltage (wire - jacket)  Alin. operating temperature (static)  Alin. operating temperature (fixed)  Doperating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Ooverating temperatur	Electrical resistance line constant wire	
Min. operating temperature (static)  Max. operating temperature (fixed)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature min. (dynamic)	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Overating temperature min. (dynamic)  Overating temperature min. (dynamic)  Overating temperature min. (dynamic)  Overating temperature min. (dynamic)  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Chemical resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  S x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  10 Mio.  No. of torsion cycles  3 Mio.	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature min. (dynamic) Operation for the folial temperature for the folia	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 90 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Max. operating temperature (fixed)	105 °C
Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Operating temperature min. (dynamic)	-20 °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) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Operating temperature max. (dynamic)	90 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	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.  No. of torsion cycles 3 Mio.	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio.  No. of torsion cycles 3 Mio.	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 3 Mio.	Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles 3 Mio.	Travel speed (C-track)	10 Mio.
·	No. of torsion cycles	
	Torsion stress	± 180 °/m