

## M12 male 0° / M12 female 0° A-cod. shielded

PUR ((2x0.75)C + 2x0.75)C shielded gy UL 0.6m

AS-Interface Male straight – female straight M12 – M12, 4-pole with cable sleeves

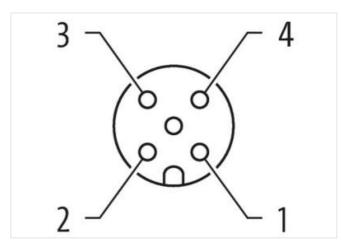
Plastic housings with good resistance against chemicals and oils.

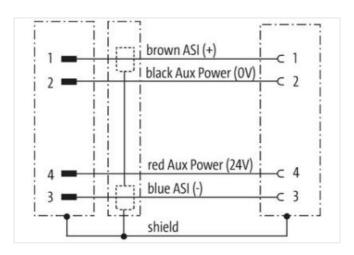
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

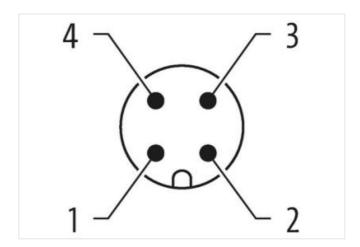
## **Link to Product**

## Illustration



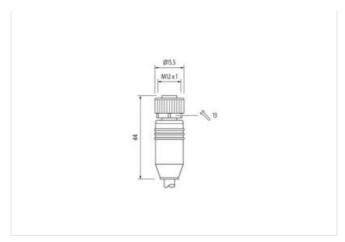








stay connected



Product may differ from Image



Cable length	0,6 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	4
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879856454
Packaging unit	1

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: 2024-05-20



stay connected

Operating voltage AC max.	60 V
Operating voltage AC max.  Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Diagnostics	···
•	
Status indication LED	no
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Material gasket	FKM
Locking material	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
·	05.00
Operating temperature min.	-25 °C 85 °C
Operating temperature max.  Additional condition temperature range	depending on cable quality
	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
wire arrangement	(brown, blue), black, red
Cable identification	494
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 wires with Stranding combination with 2 Hatchet strand twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Pair shielding (type)	Metal foil
Banding	Fleece, Foil
wire arrangement	(brown, blue), black, red
Cable weigth	100,1 g/m
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Freedom from ingredients (jacket)	icad iree, dadiniam iree, or e iree, malegen iree, smoothe iree
Freedom from ingredients (jacket) Outer-diameter (jacket)	7,6 mm
Freedom from ingredients (jacket)	



stay	connected
------	-----------

Outer diameter tolerance core insulation         70 ± S Shore D           Ingredient freeness wire insulation         70 ± S Shore D           Ingredient freeness wire insulation         162 ± Shore D           Amount strands (wire)         42           Dimarter of single wives         0.15 mm           Conductor crosssection (wire)         9.75 mm²           Material conductor wire         Shanded copper wire, bare           Conductor by given (wive)         stranded copper wire, bare           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         7.7 mm           Tolerance outer diameter wire insulation (Data)         7.0 mm           Diameter of single wires (Data)         4.0 mm           Amount strands wire (Data)         4.2           Amount strands wire (Data)         0.15 mm           Consider or (Data)	Outer diameter insulation	2,5 mm
Ingredient freeness wire insulation Amount strands (wire) 42 Diameter of single wires 0,15 mm Canductor crosssaction (wire) Material conductor wire Sranded copper wire, bare Canductor type (wire) strand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) Tolerance outer diameter wire (Data) Tolerance outer diameter wire insulation (Data) Tolerance outer diameter wire (Data) Tolerance outer of the control of the	Outer diameter tolerance core insulation	±5%
Diameter of single wires	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires         0,15 mm²           Conductor crosssection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Material wire insulation (Data)         PP           Cutrer diameter wire insulation (Data)         1,7 mm           Tolerance outer diameter wire insulation (Data)         1.5 %           Shore hardness wire insulation (Data)         1.6 ± Shore D           Ingredient freeness wire insulation (Data)         1.6 ± Shore D           Ingredient freeness wire insulation (Data)         2.           Amount wires (Data)         2.           Amount strands wire (Data)         4.2           Diameter of single wires (Data)         0.15 mm           Conductor wire (Data)         0.75 mm²           Wite conductor type (Data)         Strand class 6           Wire conductor type (Data)         Strand class 6           Nominal voltage AC max.         300 V           Current load capacity min. wire         9.6 A           Electrical resistance (ine constant wire         26 Ω/km @ 20 °C           Electrical resistance (wire - shield)         2.6 N/km @ 20 °C           Cover frequency withstand voltage (wire - wire)         2.8 V @ 60 s           Now in p	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1,7 mm           Tolerance outer diameter wire insulation (Data)         1,7 mm           Tolerance outer diameter wire insulation (Data)         70 ± 5 Shore D           Ingredient Reeness wire insulation (Data)         16 ed-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands wire (Data)         2           Amount strands wire (Data)         42           Diameter of single wires (Data)         0,75 mm²           Material conductor wire (Data)         0,75 mm²           Material conductor wire (Data)         5 mm²           Mile conductor rype (Data)         5 mm²           Material conductor wire (Data)         5 mm²           Wire conductor rype (Data)         5 c D Mm²           Wire conductor rype (Data)         5 c D Mm²           Current load capacity ristander         2 c D Mm²           Curre	Amount strands (wire)	42
Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1,7 mm           Tolerance outer diameter wire insulation (Data)         1,5 %           Shore hardness wire insulation (Data)         70 ± 5 Shore D           Ingredient freeness wire insulation (Data)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         42           Diameter of single wires (Data)         0,75 mm²           Amount strands wire (Data)         0,75 mm²           Micro conductor wire (Data)         5 frame           Wire conductor type (Data)         5 frame           Current load capacity (standard)         10 in Div DE 0298 4           Current load capacity (s	Diameter of single wires	0,15 mm
Conductor type (wire)         strand class 6           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1.7 mm           Tolerance outer diameter wire insulation (data)         5.5 %           Shore hardness wire insulation (Data)         7.5 ± 5 Shore D           Ingredient freeness wire insulation (Data)         1.6 ± 5 Shore D           Amount wires (Data)         2           Amount strands wire (Data)         42           Diameter of single wires (Data)         0.15 mm           Conductor crosssection wire (Data)         0.75 mm²           Material conductor wire (Data)         5 manded copper wire, bare           Wire conductor vire (Data)         5 manded copper wire, bare           Wire conductor vire (Data)         5 manded copper wire, bare           Wire conductor vire (Data)         5 manded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standardy)         to DIN VDE 2094-4           Current load capacity (standardy)         5 A           Electrical resistance Costing wire (Data)         26 Olkm @ 20 °C           Row of wire standard voltage (wire sistance)         24 V @ 60 s           Row of wire stance voltage (wire sistance)         24 V @ 60 s           Max. operating temperature (stati	Conductor crosssection (wire)	0,75 mm²
Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1.7 mm           Tolerance outer diameter wire insulation (Data)         2.5 %           Shore hardness wire insulation (Data)         70 ± 5 Shore D           Ingredient freeness wire insulation (Data)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         2           Amount strands wire (Data)         42           Diameter of single wires (Data)         0.75 mm²           Conductor crosssection wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         Stranded copper wire, bare           Current load capacity wire (Data)         25 Km @ 20 * C           Current load capacity wire, wire         9.5 A           Electrical resistance line constant wire         26 D/km @ 20 * C           Electrical resistance coating wire (Data)         2 kV @ 60 s           AC withstand voltage (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - shield)         <	Material conductor wire	Stranded copper wire, bare
Outer diameter wire insulation (Data)         1,7 mm           Tolerance outer diameter wire insulation (data)         5 %           Shore hardness wire insulation (Data)         70 ± 5 Shore D           Ingredient freeness wire insulation (Data)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         2           Amount strands wire (Data)         42           Diameter of single wires (Data)         0,75 mm²           Conductor crossacction wire (Data)         0,75 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         9,6 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Max. operating temperature (fixed)         80 °C           Gerating temperature max. (dynamic)         5 °C           Operating temperature max. (dynamic)         5 °C           Cr	Conductor type (wire)	strand class 6
Tolerance outer diameter wire insulation (Data)         1 5 % Shore B           Shore hardness wire insulation (Data)         70 ± 5 Shore D           Ingredient freeness wire insulation (Data)         12 €           Amount free (Data)         2           Amount strands wire (Data)         42           Diameter of single wires (Data)         0,75 mm²           Conductor crossection wire (Data)         0,75 mm²           Material conductor wire (Data)         Strand class 6           Wire conductor type (Data)         strand class 6           Current load capacity (strand)         26 Dix me 20 °C           Electrical res	Material wire insulation (Data)	PP
Shore hardness wire insulation (Data)         70 ± 5 Shore D           Ingredient freeness wire insulation (Data)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         42           Diameter of single wires (Data)         0,15 mm           Conductor crosssection wire (Data)         0,75 mm²           Wire conductor type (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 IN VDE 0298-4           Current load capacity (standard)         10 IN VDE 0298-4           Electrical resistance constant wire         26 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         25 Ω/km @ 20 °C           Electrical resistance voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Querating temperature min. (dynamic)         5 °C           Operating temperature min. (dynamic)         60 °C           Operating temperature min. (dynamic)         60 °C	Outer diameter wire insulation (Data)	1,7 mm
Ingredient freeness wire insulation (Data)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Tolerance outer diameter wire insulation (data)	±5%
Amount wires (Data)         2           Amount strands wire (Data)         42           Diameter of single wires (Data)         0,15 mm           Conductor crosssection wire (Data)         0,75 mm²           Material conductor lype (Data)         stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         9,6 A           Electrical resistance loading wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-r	Shore hardness wire insulation (Data)	70 ± 5 Shore D
Amount strands wire (Data)         42           Diameter of single wires (Data)         0,15 mm           Conductor crosssection wire (Data)         0,75 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         9,6 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           Electrical resistance volting wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature (static)         -0 °C           Flame resistance         Good, application-related testing </td <td>Ingredient freeness wire insulation (Data)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires (Data)         0,15 mm           Conductor crosssection wire (Data)         0,75 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         stranded copper wire, bare           Wire conductor type (Data)         stranded capse           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN NDE 0298-4           Current load capacity (standard)         9,6 A           Electrical resistance constant wire         9,6 A           Electrical resistance inversions (particular)         26 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - siteld)         2 kV @ 60 s           AC withstand voltage (wire - siteld)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -5 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         -5 °C           Gasoline resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil r	Amount wires (Data)	2
Conductor crosssection wire (Data)         0,75 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Wire conductor type (Data)         strand class 6           No. di principal de AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         9,6 A           Electrical resistance ine constant wire         26 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Max. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature (mix. (dynamic)         5 °C           Operating temperature max. (dynamic)         5 °C           Flame resistance         Good. application-related testing           Gasoline resistance         Good. application-related testing           Garding radius (fixed)         10 x Outer diameter           Bending radius (fixed)         10 x Outer diameter           Bending radius (fixed)<	Amount strands wire (Data)	42
Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         9,6 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1990           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         10 x Outer diameter           Bending radius (fixed)         10 x Outer diameter	Diameter of single wires (Data)	0,15 mm
Wire conductor type (Data)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         9,6 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         Good, application-related testing           Chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         10 x Outer diameter           Bending radius (fixed)         10 x Outer diameter           Bending radius (fixed)         10 x Outer diameter           Bending radius (dynamic)         15 x Outer diameter           Bendin	Conductor crosssection wire (Data)	0,75 mm <sup>2</sup>
Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         9.6 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -5 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         x Outer diameter           Bending radius (installation)         x Outer diameter           Bending radius (dynamic)         15 x Outer diameter           Bending radius (dynamic)         5 m @ 25 °C	Material conductor wire (Data)	Stranded copper wire, bare
Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         9,6 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Gil resistance         Good, application-related testing           Gil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         x Outer diameter           Bending radius (fixed)         10 x Outer diameter           Bending radius (dynamic)         15 x Outer diameter           Bending radius (dynamic)         15 x Outer diameter           Bending radius (dynamic)         5 Mio. @ 25 °C	Wire conductor type (Data)	strand class 6
Current load capacity min. wire       9,6 A         Electrical resistance line constant wire       26 Ω/km @ 20 °C         Electrical resistance coating wire (Data)       26 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - iacket)       2 kV @ 60 s         AC withstand voltage (wire - shield)       2 kV @ 60 s         Max. operating temperature (static)       -40 °C         Max. operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (installation)       x Outer diameter         Bending radius (dynamic)       15 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter         Traversing distance (C-track)       5 Mio. @ 25 °C         Traversing distance (C-trac	Nominal voltage AC max.	300 V
Electrical resistance line constant wire       26 Ω/km @ 20 °C         Electrical resistance coating wire (Data)       26 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         AC withstand voltage (wire - shield)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter         No. of bending cycles (C-track)       5 Mio. @ 25 °C         Traversing distance (C-track)       5 Mio. @ 25 °C         Traversing distance (C-track)       5 Mio.         Tosion stress       ± 30 °/m	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance coating wire (Data) 26 \( \textit{ D/km @ 20 \circ} \)  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 \circ  Max. operating temperature (fixed) 80 \circ  Operating temperature min. (dynamic) -5 \circ  Operating temperature max. (dynamic) 80 \circ  Operating temperature max. (dynamic) 80 \circ  Flame resistance UL 1581 \( \) 1100 FT2   IEC 60332-2-2   UL 1581 \( \) 1990  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Gil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 5 m @ 25 \circ  Traversing distance (C-track) 5 m @ 25 \circ  Travel speed (C-track) 3,3 m/s @ 25 \circ  Travel speed (C-track) 5 Mio.  Torsion stress ± 30 \( \)/m	Current load capacity min. wire	9,6 A
AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  Bending radius (dynamic) 5 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Traversing distance (C-track) 3,3 m/s @ 25 °C  Travel speed (C-track) 3,3 m/s @ 25 °C  Travel speed (C-track) 5 Mio.  Torsion stress ± 30 °/m	Electrical resistance line constant wire	26 Ω/km @ 20 °C
Power frequency withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Gil resistance Good, application-related testing  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 5 Mio. @ 25 °C  Travel speed (C-track) 3,3 m/s @ 25 °C  Trosion stress ± 30 °/m	Electrical resistance coating wire (Data)	26 Ω/km @ 20 °C
jacket)  AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  AU °C  Max. operating temperature (fixed)  AD °C  Operating temperature min. (dynamic)  AD °C  Operating temperature min. (dynamic)  AD °C  Operating temperature max. (dynamic)  BO °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  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 (installation)  x Outer diameter  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  5 Mio.  Torsion stress  ± 30 °/m	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  So °C  Operating temperature max. (dynamic)  So °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  5 Mio.  Torsion stress  ± 30 °/m		2 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  80 °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  Bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  5 Mio.  Torsion stress  ± 30 °/m	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) So °C Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Bending radius (installation) x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 5 Mio. Torsion stress ± 30 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter         No. of bending cycles (C-track)       5 Mio. @ 25 °C         Traversing distance (C-track)       5 m @ 25 °C         Travel speed (C-track)       3,3 m/s @ 25 °C         No. of torsion cycles       5 Mio.         Torsion stress       ± 30 °/m	Max. operating temperature (fixed)	0° 08 °C
Flame resistance  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  5 Mio.  Torsion stress  ± 30 °/m	Operating temperature min. (dynamic)	-5 °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 (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 5 Mio.  Torsion stress ± 30 °/m	Operating temperature max. (dynamic)	80 °C
Chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 5 Mio.  Torsion stress ± 30 °/m	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 5 Mio.  Torsion stress ± 30 °/m	chemical resistance	
Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 5 Mio.  Torsion stress ± 30 °/m	Gasoline resistance	Good, application-related testing
Bending radius (fixed)  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  5 Mio.  Torsion stress  ± 30 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  5 Mio.  Torsion stress  ± 30 °/m	Bending radius (installation)	x Outer diameter
No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 5 Mio.  Torsion stress ± 30 °/m	Bending radius (fixed)	10 x Outer diameter
No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 5 Mio.  Torsion stress ± 30 °/m	Bending radius (dynamic)	
Traversing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 5 Mio.  Torsion stress ± 30 °/m		
Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 5 Mio.  Torsion stress ± 30 °/m		
No. of torsion cycles 5 Mio.  Torsion stress ± 30 °/m		<del>-</del>
Torsion stress ± 30 °/m		· · · · · ·
	<u> </u>	± 30 °/m