

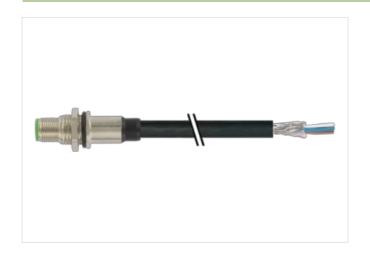
## M12 male recept. A-cod. shielded rear mount

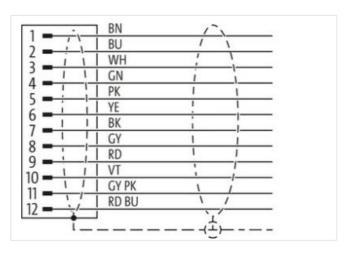
PUR 12x0.14 shielded bk UL/CSA+drag ch. 3m

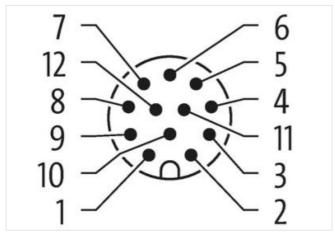
Flange male M12, 12-pole shielded Front mounting

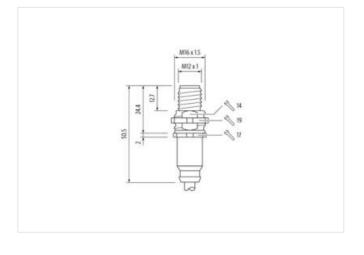
## **Link to Product**

## Illustration









Product may differ from Image



Cable length	3 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12



Thread	M12 x 1
Coding	A
Material	Brass
No. of poles	12
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879851671
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	1,5 A
Installation   Connection	
Mounting set	M16 x 1.5
Width across flats	SW19
Device protection   Electrical	
Protection NEMA	3, 4, 6P
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	1
Mechanical data   Material data	
Coating housing	nickel plated
Coating of fitting	nickel plated
Material screw connection	Brass
Mechanical data   Mounting data	
Mounting method	inserted, screwed
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
-	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Approvals	
UL 50E	yes
Installation   Cable	
Cable identification	706
Cable Type	3
Jacket Color	black



## stay connected

Amount standing 1 streaming 3 were twisted 4 Amount standing (type 2) 1 streaming (type 2) 9 were around Stranding combination twisted 4 Streaming (type) 2 9 were around Stranding combination twisted 4 Streaming (type) 2 0 0 % Streaming (type) 4 00 % Streaming (type) 5 0 % Streaming (type) 5 0 % Streaming (type) 5 0 % Streaming (type) 6 0 % Streaming (type) 6 0 % Streaming (type) 7 % Streaming (type) 8 0 % Streaming (type) 8 0 % Streaming (type) 8 0 % Streaming (type) 9 % Streaming (type	Type of Certificate	cURus
Amount stranding (type 2) 1 Stranding (type 2) 9 Stranding (type 3) 9 Stranding (type) 1 Stranding 1 Flesses, Foil 1 Wire arrangement 1 Gray-pink, volet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue 1 State (type) 1 Strandinass jacket 1 Strandinass jacke	Amount stranding	1
Standing (type 2)	Stranding	3 wires twisted
Cable shielding (roverage)         60 %           Cable shielding (coverage)         80 %           Banding         Fleece, Foll           wire arrangement         gray-pink, Volet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Cable weight         67,1 g/m           Material jacket         PUR           Shore harding predents (jacket)         90 ± 5 Shore A           Freedom from ingredients (jacket)         6.5 mm           Outer diameter (jacket)         6.5 mm           Follerance outer diameter (sheath)         ± 5 %           Annount wives         12           Outer diameter insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter insulation         2 %           Ingredient freeness wire insulation         1 mm           Outer diameter overance core insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter overance cover insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter (break)         2 %           Shore barriess wire insulation         1 mm <tr< td=""><td>Amount stranding (type 2)</td><td>1</td></tr<>	Amount stranding (type 2)	1
Cable shielding (roverage)         60 %           Cable shielding (coverage)         80 %           Banding         Fleece, Foll           wire arrangement         gray-pink, Volet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Cable weight         67,1 g/m           Material jacket         PUR           Shore harding predents (jacket)         90 ± 5 Shore A           Freedom from ingredients (jacket)         6.5 mm           Outer diameter (jacket)         6.5 mm           Follerance outer diameter (sheath)         ± 5 %           Annount wives         12           Outer diameter insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter insulation         2 %           Ingredient freeness wire insulation         1 mm           Outer diameter overance core insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter overance cover insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter (break)         2 %           Shore barriess wire insulation         1 mm <tr< td=""><td>Stranding (type 2)</td><td>9 wires around Stranding combination twisted</td></tr<>	Stranding (type 2)	9 wires around Stranding combination twisted
Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Cable weigh         67.1 g/m           Material jacket         90 ± 5 Shore A           Freedorn from ingradients (gacket)         load-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (gheet)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter tolerance core insulation         1 mm           Outer diameter tolerance core insulation         2 + 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         18 Diameter of single wires           Ingredient freeness wire insulation         18 Diameter of single wires           On miner of single wires         0,1 mm           Conductor toreassaction (wire)         0,1 mm           Conductor toreassaction (wire)         0,1 mm           Conductor type (wire)         stranded capper wire, bare           Conductor type (wire)         stranded capper wire, bare           Conductor type (wire)         strand class 6 <td></td> <td>copper braid, tinned</td>		copper braid, tinned
Banding         Fleece, Foll           wira arrangement         gray-pirik, volet, red-blue, brown, red, gray, black, yellow, pirik, green, white, blue           Cable weight         67.1 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredlents (jacket)         [ead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         ± 5 %           Material wire insulation         PP           Amount wires         12           Cuter diameter insulation         1 mm           Outer diameter insulation         1 mm           Cuter diameter insulation         1 mm           Outer diameter insulation         1 mm           Ingredient freeness wire insulation         1 mm           Ingredient freeness wire insulation         1 mm           Damater of single wire         0,1 mm           Carductor or sessection (wire)         18           Damater of single wire         0,1 mm           Carductor vire (wire)         stranded copper wire, bare           Carductor (wire)         stranded copper wire, bare           Carductor (wire)         stranded copper wire, bare           Carductor (wire)         stranded copper wire, bare <td< td=""><td>Cable shielding (coverage)</td><td>··</td></td<>	Cable shielding (coverage)	··
Cable weight         67.1 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         5.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Cuter diameter tolerance core insulation         1 mm           Outer diameter tolerance core insulation         2 %           Shore hardness wire insulation         70 ± 5 Shore D           Impredient freeness wire insulation         1 mm           User diameter tolerance core insulation         1 mm           User diameter of single wires         18           Diameter of single wires         0.1 mm           Combustor or of single wires         0.1 mm           Diameter of single wires         0.1 mm           Conductor vive (wire)         5 tranded copper wire, bare           Travarsing distance (**Tarket)         5 m @ 5 °C   Inorozatal           Nominal voltage AC max         30 9           Current load capacity (min. wire)         2 A           Electrical resistance (line constant wire)         2 A		Fleece, Foil
Cable weight         67.1 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         5.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Cuter diameter tolerance core insulation         1 mm           Outer diameter tolerance core insulation         2 %           Shore hardness wire insulation         70 ± 5 Shore D           Impredient freeness wire insulation         1 mm           User diameter tolerance core insulation         1 mm           User diameter of single wires         18           Diameter of single wires         0.1 mm           Combustor or of single wires         0.1 mm           Diameter of single wires         0.1 mm           Conductor vive (wire)         5 tranded copper wire, bare           Travarsing distance (**Tarket)         5 m @ 5 °C   Inorozatal           Nominal voltage AC max         30 9           Current load capacity (min. wire)         2 A           Electrical resistance (line constant wire)         2 A	wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Material jacket         PUR           Shoro hardness jacket         90 ± 5 Shoro A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,5 mm           Tolerance outer diameter (sheath)         2 5 %           Amedient wire insulation         PP           Amount wires         12           Outer diameter tolerance core insulation         1 mm           Lour diameter tolerance core insulation         2 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         18 8           Dameter of single wires         0,1 mm           Conductor crossection (wire)         18           Dameter of single wires         0,1 mm²           Conductor trossection (wire)         5 m 20 ± 7 (horzontal           Nominal voltage (wire)         stranded capper wire, bare           Conductor type (wire)         stranded capper wire, bare           Taversing distance (C track)         5 m 20 ± 7 (horzontal           Nominal voltage AC max.         300 V           Current load cappacity (standard)         to DIN VDE 02984           Current load cappacity wire.         2 k V ⊕ 60 s           Power frequency withstand voltage (wire -		
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,5 mm           Tolarance outer diameter (shoath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1 mm           Diameter of single wires         0,1 mm           Conductor rosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Correct load capacity (standard)         to DIN VDE 0288-4           Current load capacity (standard)         to DIN VDE 0288-4           Current load capacity (wire - wire)         2 kV ⊕ 60 s           Power frequency withstand voltage (wire - wire)         2 kV ⊕ 60 s           Power frequency withstand voltage (wire - shield)         2 kV ⊕ 60 s           Max. operating temperature (fixed)         80 °C / 90 °C ⊕ 10000 h Operation           Operating temperature max. (dynamic)         90 °C ⊕ 00000 h Operation           UV r	Material iacket	
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket)		90 ± 5 Shore A
Outer-diameter (jacket)         6,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter insulation         1 mm           Outer diameter insulation         1 mm           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wive)         18           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity min. wire         2 A           Electrical resistance line constant wire         138 Ω/km @ 20 °C           AC withstand voltage (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (incomperation wire)         2 V @ 60 s	·	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath)		
Material wire insulation         PP           Amount wires         12           Outer dameter insulation         1 mm           Outer dameter folerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         18           Diameter of single wires         0,1 mm           Conductor orsseection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VDE 0298-4           Current load capacity win. wire         2 A           Electrical resistance line constant wire         138 D/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 (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -25 °C </td <td>• .</td> <td>· · · · · · · · · · · · · · · · · · ·</td>	• .	· · · · · · · · · · · · · · · · · · ·
Amount wires         12           Outer diameter insulation         1 mm           Outer diameter loterance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         18           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           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 (standard)         to DIN VDE 0298-4           Electrical resistance line constant wire         138 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 (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (mix.)         80 °C / 90 °C @ 10000 h Operation           Up resistance         DIN EN ISO 4892-2 A           Flame resistance <td></td> <td>PP</td>		PP
Outer diameter Insulation         1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         18           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           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 (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)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation		
Outer diameter tolerance core insulation         ± 5 %           Shore bardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount stands (wire)         18           Diameter of single wires         0,1 mm           Conductor oressection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           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 (standard)         to DIN VDE 0298-4           Electrical resistance line constant wire         138 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 / 90 °C @ 10000 h Operation           Operating temperature mix. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A </td <td></td> <td></td>		
Shore hardness wire insulation   70 ± 5 Shore D		
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 (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 - 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 / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 2-25 °C Operating temperature max. (dynamic) 00 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Fiame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of forsion cycles 2 Mio. Torsion stress ± 30 °/m		
Amount strands (wire)         18           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           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 (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 - 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           Max. operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         UIL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing		
Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           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         2 A           Electrical resistance line constant wire         338 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 / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           UV resistance         DIN EN ISO 4892-2 A           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           Oil resistance         Good, application-related testing   DIN EN 60811-404		
Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  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 (standard)  current load capacity min. wire  2 A  Electrical resistance line constant wire  138 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  3 cw (wish stand voltage (wire - shield)  AC withstand voltage (wir		
Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           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         2 A           Electrical resistance line constant wire         138 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 / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           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 (fixed)		· · · · · · · · · · · · · · · · · · ·
Conductor type (wire)         strand class 6           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         2 A           Electrical resistance line constant wire         138 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 / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           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           Bending radius (fixed)         5 × Outer diameter           Tavel speed (C-track)         5 Mio. @ 25 °C	. ,	
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         2 A           Electrical resistance line constant wire         138 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 / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           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 (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Travel speed (C-track)		
Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 2 A  Electrical resistance line constant wire 138 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 / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  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  Gasoline resistance Good, application-related testing  Ending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 2 A  Electrical resistance line constant wire 138 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 / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  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 (fixed) 5 x Outer diameter  Fravel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		
Current load capacity min, wire       2 A         Electrical resistance line constant wire       138 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 / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         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 (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m		
Electrical resistance line constant wire 138 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 / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  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 (fixed) 5 x Outer diameter  Fravel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		
AC withstand voltage (wire - wire)  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 / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  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 (fixed)  5 x Outer diameter  Fravel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  ± 30 °/m	<u> </u>	
Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  AC withstand voltage (shield)  AC withstand voltage (wire - shield)  AC withstand voltage (shield)  AC withstand voltage (s		
jacket)  AC withstand voltage (wire - shield)  AC with voltage (with voltage (w		2 KV @ 60 S
Min. operating temperature (static)  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  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 (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	jacket)	
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  OPERATING THE STATE ST	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  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 (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  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 (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		
UV resistance DIN EN ISO 4892-2 A  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 (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		-25 °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   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m		80 °C / 90 °C @ 10000 h Operation
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)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m	UV resistance	DIN EN ISO 4892-2 A
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) 5 Mio. @ 25 °C No. of torsion cycles 2 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 (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Bending radius (fixed)	
Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		5 Mio. @ 25 °C
Torsion stress ± 30 °/m		
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TUIBIUT SPEEU 33 GYGRS/HIIIT	Torsion speed	35 cycles/min