

M8 female 90° A-cod. with cable shielded

PUR 4x0.34 shielded bk UL/CSA+drag ch. 30m

Female 90° M8, 4-pole shielded

with cable sleeves

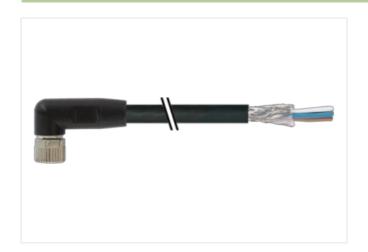
Further cable lengths on request.

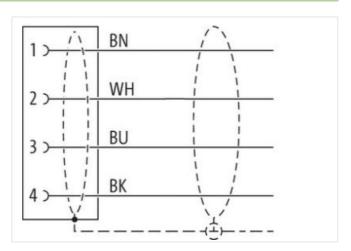
Plastic housings with good resistance against chemicals and oils.

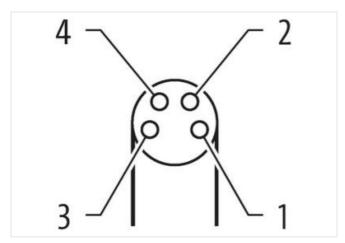
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration









Product may differ from Image











Cable length

30 m

Side 1

Tightening torque

0,4 Nm

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



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Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	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	4065909022849
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M8 x 1
	Mió X I
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
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.

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DIN EN 61076 2-114 (MB) DIN EN 61076 2-1	Conformity	
institution (Cable) C41 able to Propo 3 action Cobor black upper of Certificate cURs uncount stranding 1 tranding 4 wires twisted able shielding (type) cooper transit, firmed able shielding (type) cooper transit, firmed able shielding (type) cooper transit, firmed ability shielding (coverage) 80 % anding Fleece, Foll tire arrangement brown, black, blue, white both weight 50,6 gm staterial jacket PUR hore hardwase with a staterial jacket 91 to 5 shore A user-claimeter (jacket) 93 to 5 shore A user-claimeter (jacket) 5,3 mm user-claimeter (jacket) 1,5 mm user-claimeter (jacket) 1,5 mm user-claimeter (jacket) 1,5 mm user-c	•	DIN EN 04070 0 444 (MO)
able Type 3 able Type 3 skelt Color black ype of Certificate culture upper of Certificate culture upper of Certificate culture uncount standing 1 tranding 4 writes teletide able shelding (overage) 80 % anding Fleece, Foil iverangement brown, Back, blue, white bell weigh 50.8 gm laberal jacket PUR hore hardness jacket 90 ± 5 Shore A levedon from ingridents (jacket) 15.5 ym leverage with research (jacket) 15.5 ym leverage with		DIN EN 610/6-2-114 (M8)
acked Color black backed Color black per of Certificate cURus mount stranding 1 tranding 4 wires livisided able shielding (type) copper braid, tinned able shielding (type) copper braid, tinned able shielding (type) 80 % arding Floeco, Fol ive arrangement bow, black, blue, white able weigh 50.6 gm laterial jacket PUR hore hardness jacket PUR hore hardness (acket) 50.5 mm user diameter (acket) 5.3 mm laterial we resultation PP mount wises 4 user diameter insulation 1,25 mm user diameter insulation 1,5 % user diameter insulation 1,5 % user diameter of single wires 6,1 mm onductor consessection (wire) 0,34 mm² parceler fixeness wire insulation 1,5 % parceler fixeness wire insulation 2,5 % parceler fixeness wire insulation 2,6 %<	Installation Cable	
action Color black ppe of Certificate current prount standing 1 tranding 4 wires wiseled able shelding (type) copper braid, inned able shelding (type) copper braid, inned able shelding (coverage) 60 % anding Plooc, Foll inned able weigh So. 6 gm laterial jacket PUR flore hardness jacket 9 PUR flore hardness jacket 10 ± 5 % tested in mineral properties (jacket) 10 ± 5 % tested in mineral properties (jacket) 10 ± 5 % florerance outer dismeter (sheath) ± 5 % florerance outer dismeter insulation 11,25 mm florer hardness wire insulation 12 ± 5 % tested insulation 13 ± 5 % florerance outer dismeter insulation 14 ± 5 % tested insulation 15 ± 5 % florerance outer dismeter insulation 15 ± 5 % florerance dismeter insulation 15 ± 5 % florerance dismeter insulation 15 ± 5 % florerance outer dismeter insulation 15 ± 5 % florerance dism	Cable identification	641
CuPilia CuP	Cable Type	3
Trainding 4 wires triviated 5 % company 5 % company 6 % com	Jacket Color	black
trending 4 wires twisted able shielding (type) apper braid, firmed able shielding (type) apper braid, firmed able shielding (coverage) 80 % anding Fleece, Foil fire arrangement	Type of Certificate	cURus
able shielding (type) copper braid, tinned able shielding (coverage) 80 % anding Flooco, Foll Flooco, Foll Flooco, Foll ire arrangement brown, black, blue, white alloweight 50.0 g/m laterial jacket PUR hore hardness lacket PUR steredom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free uiter-diameter (jacket) 5.3 mm olerance outer diameter (jacket) 1.5 % laterial wine insulation PP mount wires 4 4 1.25 mm uiter diameter insulation 1.25 mm uiter diameter insulation 1.25 mm uiter diameter insulation 7.0 ± 5 Shore D mount shrands wine insulation 1.25 mm uiter diameter insulation 1.25	Amount stranding	1
able shielding (coverage) 80 % anding Fiesce, Foil ire arrangement brown, black, blue, white able weigh	Stranding	4 wires twisted
Fleece, Foll	Cable shielding (type)	copper braid, tinned
brown, black, blue, white able weight 50.6 g/m bore hardness jacket PUR hore hardness jacket 90 ± 5 Shore A readon from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free ulter diameter (sheath) ± 5 % laterial wire insulation PP mount wires 4 ulter diameter insulation 70 ± 5 Shore D greddent freeness were insulation 70 ± 5 Shore D greddent freeness wire insulation 70 ± 5 Shore D greddent freeness wire insulation 70 ± 5 Shore D greddent freeness wire insulation 1 Jamma laterial conductor virie nonductor crosssection (wire) 3 Hamma laterial conductor virie stranded copper wire, bare stranded sease (C-track) 5 m @ 25 °C) (horizontal) mounted load capacity (standard) to Ibi NVE 0298-4 uirrent load capacity (standard) to Ibi NVE 0298-4 li esistance Ibi NV 0498-2 S colono of policion-related testing ii esistance Ibi NV 0498-2 S colono of policion-relate	Cable shielding (coverage)	80 %
able weight 50.6 g/m Isterial jacket PUR hornor hardness jacket 90 ± 5 Shore A readom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free utter-diameter (packet) 5.3 mm olerance outer diameter (sheath) ± 5 % laterial wire insulation PP mount wires 4 uter diameter insulation 1.25 mm uter diameter insulation 70 ± 5 Shore D hore hardness wire insulation 1.25 mm uter diameter sinsulation 70 ± 5 Shore D incomparities of single wires 0.1 mm onductor cross-section (wire) 42 istaineder of single wires 0.1 mm onductor cross-section (wire) 0.34 mm² laterial conductor wire Stranded copper wire, bare activating distance (C-track) 5 m @ 25 °C horizontal ominal voltage AC max. 300 V urrent load capacity min. wire 4.8 A fectrical resistance line constant wire 5 °C kW @ 60 s C withstand voltage (wire - wire) 2 kV @ 60 s C	Banding	Fleece, Foil
Activital jacket	wire arrangement	brown, black, blue, white
hore hardness jacket 90 ± 5 Shore A	Cable weigth	50,6 g/m
lead-free, cadmium-free, OFC-free, halogen-free, silicone-free	Material jacket	PUR
buter-diameter (jacket) 5,3 mm olerance outer diameter (sheath) ± 5 % laterial wire insulation PP mount wires 4 viter diameter insulation 1,25 mm uiter diameter tolerance core insulation ± 5 % hore hardness wire insulation 70 ± 5 Shore D gradient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 iameter of single wires 0,1 mm onductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare onductor type (wire) strand class 6 reversing distance (C-track) 5 m @ 25 °C horizontal ominal voltage AC max. 300 V urrent load capacity (standard) to DIN VDE 0298-4 urrent load capacity win. wire 4,8 A lectrical resistance line constant wire 57 CN/m @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s ower frequency withstand voltage (wire - shield) 2 kV @ 60 s lin. operating temperature (fixed) 80 °C / 90 °C @ 100000 h Operation	Shore hardness jacket	90 ± 5 Shore A
olerance outer diameter (sheath) ± 5 % laterial wire insulation PP mount wire insulation 1,25 mm uiter diameter insulation ± 5 % hore hardness wire insulation ± 5 % hore hardness wire insulation lacd-free, cadmium-free, CFC-free, halogen-free, silicone-free iggredient freeness wire insulation lacd-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 iameter of single wires 0,1 mm onductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare onductor type (wire) strand class 6 raversing distance (C-track) 5 m @ 25 °C horizontal orinal voltage (AC max. 300 V urrent load capacity (standard) to DIN VDE 0298-4 urrent load capacity min. wire 4,8 A Lectrical resistance line constant wire 57 Ω/m @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s C withstand voltage (wire - wire) 2 kV @ 60 s Lax, operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) <td>Freedom from ingredients (jacket)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Activation PP P P P P P P P P	Outer-diameter (jacket)	5,3 mm
mount wires 4	Tolerance outer diameter (sheath)	±5%
uter diameter insulation 1,25 mm uter diameter toterance core insulation ± 5 % hore hardness wire insulation 70 ± 5 Shore D gradedint freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 iameter of single wires 0,1 mm onductor crosssection (wire) 0,34 mm² lateral conductor wire Stranded copper wire, bare onductor type (wire) strand class 6 raversing distance (C-track) 5 m @ 25 °C horizontal ominal voltage AC max. 300 V urrent load capacity min. wire 4,8 A lectrical resistance line constant wire 57 Økm @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s over frequency withstand voltage (wire - shield) 2 kV @ 60 s lin. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation operating temperature max. (dynamic) 25 °C operating temperature max. (dynamic) 25 °C operating temperature max. (dynamic) 25 °C operating temperature max. (dynamic) 26 °C on (2 y 90 °C @ 10000 h Operation	Material wire insulation	PP
but of diameter tolerance core insulation ± 5 % hore hardness wire insulation 70 ± 5 Shore D gredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 iameter of single wires 0,1 mm onductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare onductor type (wire) strand class 6 raversing distance (C-track) 5 m @ 25 °C horizontal ominal voltage AC max. 300 V urrent load capacity (standard) to DIN VDE 0298-4 urrent load capacity min. wire 4,8 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s over frequency withstand voltage (wire - shield) 2 kV @ 60 s Lin. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation operating temperature wax. (dynamic) 425 °C perating temperature min. (dynamic) 425 °C perating temperature min. (dynamic) 40 °C / 90 °C @ 10000 h Operation V resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2	Amount wires	4
hore hardness wire insulation 70 ± 5 Shore D gredlent freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 lateral ordictor oriossection (wire) 0,34 mm² lateral conductor wire Stranded copper wire, bare onductor type (wire) strand class 6 raversing distance (C-track) 5 m @ 25 °C horizontal ominal voltage AC max. 300 V urrent load capacity (standard) to DIN VDE 0298-4 urrent load capacity min. wire 4.8 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s Ower frequency withstand voltage (wire - shield) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s Civithstand voltage (wire - shield) 30 °C / 90 °C @ 10000 h Operation perating temperature (fixed) 30 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 40 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A lame resistance DIN EN ISO 4892-2 A lame resistance EC 60332-2-2 UL 1581 § 1990 UL 1581 § 1100 FT2 enemical resistance DIN EN ISO 4892-2 A lame resistance DIN EN SO 4892-2 A lame resistanc	Outer diameter insulation	1,25 mm
Igredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 lameter of single wires 0,1 mm onductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare onductor type (wire) strand class 6 raversing distance (C-track) 5 m @ 25 °C horizontal ominal voltage AC max. 300 V urrent load capacity (standard) to DIN VDE 0298-4 urrent load capacity min. wire 4,8 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s Lin. operating temperature (static) 40 °C law. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) 25 °C perating temperature min. (dynamic) 10 EC 6003, 2-2-2 UL 1581 § 1091 UL 1581 § 1100 FT2 hermical resistance Good, application-related testing lif resistance DIN EN 60811-404 Good, application-related testing lif resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 × Outer diameter lending radius (fixed) 5 Min. @ 25 °C ot forsion stress ± 30 °/m	Outer diameter tolerance core insulation	±5%
mount strands (wire) 42 lameter of single wires 0,1 mm onductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare onductor type (wire) strand class 6 raversing distance (C-track) 5 m @ 25 °C horizontal ominal voltage AC max. 300 V turrent load capacity (standard) to DIN VDE 0298-4 turrent load capacity min. wire 4,8 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s In. operating temperature (static) 40 °C lax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation V resistance DIN EN ISO 4892-2 A lame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 hemical resistance Good, application-related testing iil resistance DIN EN 60811-404 Good, application-related testing iiil resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 × Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C 5 Mio. orsion stress ± 30 °/m	Shore hardness wire insulation	70 ± 5 Shore D
iameter of single wires 0,1 mm onductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare onductor type (wire) strand class 6 raversing distance (C-track) 5 m @ 25 °C horizontal ominal voltage AC max. 300 V urrent load capacity (standard) to DIN VDE 0298-4 urrent load capacity (standard) to DIN VDE 0298-4 urrent load capacity min. wire 4.8 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s ower frequency withstand voltage (wire - 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s Lax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 25 °C perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation V resistance DIN EN ISO 4892-2 A lame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 hemical resistance Good, application-related testing ill resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ending radius (dynamic) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ending radius (dynamic) 10 x Outer diameter ending radius (dynamic) 2 x Mio. orsion stress ± 30 °/m	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
onductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare onductor type (wire) strand class 6 raversing distance (C-track) 5 m @ 25 °C horizontal ominal voltage AC max. 300 V urrent load capacity (standard) to DIN VDE 0298-4 urrent load capacity min. wire 4,8 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s cower frequency withstand voltage (wire - wire) 2 kV @ 60 s cower frequency withstand voltage (wire - shield) 2 kV @ 60 s lax. operating temperature (static) -40 °C lax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation operating temperature min. (dynamic) -25 °C operating temperature max. (dynamic) -25 °C preating temperature max. (dynamic) -25 °C preating temperature max. (dynamic) -26 °C V resistance	Amount strands (wire)	42
laterial conductor wire Stranded copper wire, bare conductor type (wire) strand class 6 strand class 6 stranded strand class 6 stranded strand class 6 stranded strand class 6 stranded copper wire, bare 25 °C horizontal strand collage AC max. 300 V structurent load capacity standard) to DIN VDE 0298-4 structurent load capacity min. wire 4,8 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s sover frequency withstand voltage (wire - 2 kV @ 60 s sover frequency withstand voltage (wire - 3 kV @ 60 s sover frequency withstand voltage (wire - 40 °C lax. operating temperature (static) -40 °C lax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) -25 °C perating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating structure max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating structure max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating structure max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating structure max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating structure max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating perating structure max. (dynamic) 80 °C / 90 °C @ 10000 h Operation perating	Diameter of single wires	0,1 mm
strand class 6 raversing distance (C-track) 5 m @ 25 °C horizontal tominal voltage AC max. 300 V turrent load capacity (standard) to DIN VDE 0298-4 turrent load capacity (standard) to DIN VDE 0298-4 turrent load capacity min. wire 4.8 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s ower frequency withstand voltage (wire - shield) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s Ini. operating temperature (static) -40 °C lax. operating temperature (static) -25 °C perating temperature min. (dynamic) -25 °C perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation V resistance DIN EN ISO 4892-2 A lame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 hemical resistance Good, application-related testing ill resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C to fitorsion cycles 2 Mio. orsion stress ± 30 °/m	Conductor crosssection (wire)	0,34 mm²
raversing distance (C-track) 5 m @ 25 °C horizontal ominal voltage AC max. 300 V urrent load capacity (standard) to DIN VDE 0298-4 urrent load capacity min. wire 4,8 A lectrical resistance line constant wire 57 \(\Omega \text{ Mr \text{ @ 60 s}} \) c withstand voltage (wire - wire) 2 kV \(\text{ @ 60 s} \) c withstand voltage (wire - shield) 2 kV \(\text{ @ 60 s} \) c withstand voltage (wire - shield) 2 kV \(\text{ @ 60 s} \) c withstand voltage (wire - shield) 2 kV \(\text{ @ 60 s} \) diax. operating temperature (static) 40 °C lax. operating temperature (static) 40 °C perating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) V resistance DIN EN ISO 4892-2 A lame resistance IEC 60332-2-2 UL 1581 \(\xi \) 100 UL 1581 \(\xi \) 1100 FT2 hemical resistance Good, application-related testing ill resistance Good, application-related testing ill resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C to of torsion cycles 2 Mio. orsion stress ± 30 °/m	Material conductor wire	Stranded copper wire, bare
torninal voltage AC max. 300 V turrent load capacity (standard) to DIN VDE 0298-4 turrent load capacity min. wire 4,8 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s cover frequency withstand voltage (wire - 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s Lin. operating temperature (static) 40 °C Lax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) 40 °C Loy operating temperature max. (dynamic) V resistance DIN EN ISO 4892-2 A Lame resistance LEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 hemical resistance Good, application-related testing alsoline resistance Good, application-related testing lire resistance and if resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter lending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C 0. of torsion cycles 2 Mio. orsion stress ± 30 °/m	Conductor type (wire)	strand class 6
turrent load capacity (standard) turrent load capacity min. wire 4,8 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s cwer frequency withstand voltage (wire - cket) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s Lin. operating temperature (static) 40 °C dax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) 25 °C perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation V resistance DIN EN ISO 4892-2 A lame resistance EEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 hemical resistance Good, application-related testing size line resistance BIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (fixed) 5 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C 10. of torsion cycles 2 Mio. orsion stress ± 30 °/m	Traversing distance (C-track)	5 m @ 25 °C horizontal
urrent load capacity min. wire 4.8 A lectrical resistance line constant wire 57 \(\Omega \text{LM m} \) 20 °C C withstand voltage (wire - wire) 2 kV \(\omega \text{60 s} \) ower frequency withstand voltage (wire - cket) 2 kV \(\omega \text{60 s} \) c withstand voltage (wire - shield) 2 kV \(\omega \text{60 s} \) lin. operating temperature (static) -40 °C lax. operating temperature (fixed) 80 °C / 90 °C \(\omega \text{10000 h} \) Operation perating temperature min. (dynamic) -25 °C perating temperature max. (dynamic) 80 °C / 90 °C \(\omega \text{10000 h} \) Operation V resistance DIN EN ISO 4892-2 A lame resistance [EC 60332-2-2 UL 1581 \(\graphi \) 190 UL 1581 \(\graphi \) 1100 FT2 hemical resistance Good, application-related testing life resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. \(\omega \text{25 °C} \) or of torsion cycles 2 Mio. orsion stress ± 30 °/m	Nominal voltage AC max.	300 V
lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2 kV @ 60 s ower frequency withstand voltage (wire - cket) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s lin. operating temperature (static) -40 °C lax. 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 V resistance DIN EN ISO 4892-2 A lame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 hemical resistance Good, application-related testing it resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C io. of torsion cycles 2 Mio. orsion stress ± 30 °/m	Current load capacity (standard)	to DIN VDE 0298-4
C withstand voltage (wire - wire) 2 kV @ 60 s ower frequency withstand voltage (wire - locket) 2 kV @ 60 s C withstand voltage (wire - shield) 2 kV @ 60 s Lin. operating temperature (static) 2 kV @ 60 s Lin. operating temperature (static) 40 °C Lax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Perating temperature min. (dynamic) 25 °C Perating temperature max. (dynamic) V resistance DIN EN ISO 4892-2 A Lame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Permical resistance Good, application-related testing Lasoline resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C 2 Mio. orsion stress ± 30 °/m	Current load capacity min. wire	4,8 A
ower frequency withstand voltage (wire - shield) C withstand voltage (wire - shield) 2 kV @ 60 s In. operating temperature (static) Av °C In. operating temperature (fixed) Bo °C / 90 °C @ 10000 h Operation Perating temperature min. (dynamic) Perating temperature min. (dynamic) Perating temperature max. (dynamic) V resistance DIN EN ISO 4892-2 A Isma resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Perating temperature max. (dynamic) DIN EN ISO 4891-44 Good, application-related testing Resistance DIN EN 60811-404 Good, application-related testing Perating radius (fixed) S x Outer diameter Rending radius (dynamic) 10 x Outer diameter Revel speed (C-track) S Mio. @ 25 °C S Mio. Orsion stress ± 30 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
C withstand voltage (wire - shield) 2 kV @ 60 s In. operating temperature (static) 40 °C Iax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) V resistance DIN EN ISO 4892-2 A Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Operating temperature max. (dynamic) In existance Good, application-related testing One in existance DIN EN 60811-404 Good, application-related testing One in existance Ending radius (fixed) 5 x Outer diameter Ending radius (dynamic) 10 x Outer diameter Favel speed (C-track) 5 Mio. @ 25 °C Oo. of torsion cycles 2 Mio. Orsion stress ± 30 °/m	AC withstand voltage (wire - wire)	2 kV @ 60 s
fin. operating temperature (static) fax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) 25 °C perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation V resistance DIN EN ISO 4892-2 A lame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 hemical resistance Good, application-related testing firesistance Good, application-related testing pil resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 × Outer diameter ending radius (dynamic) 10 × Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C 10 of torsion cycles 2 Mio. orsion stress ± 30 °/m	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
lax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) -25 °C perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation V resistance DIN EN ISO 4892-2 A lame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 hemical resistance Good, application-related testing asoline resistance Good, application-related testing bil resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C to of torsion cycles 2 Mio. orsion stress ± 30 °/m	AC withstand voltage (wire - shield)	2 kV @ 60 s
perating temperature min. (dynamic) Perating temperature max. (dynamic) Presistance DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Permical resistance Good, application-related testing Final resistance DIN EN 60811-404 Good, application-related testing Final resistance EN Outer diameter For Outer diameter	Min. operating temperature (static)	-40 °C
perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A lame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 hemical resistance Good, application-related testing iasoline resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C 10. of torsion cycles 2 Mio. orsion stress ± 30 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
DIN EN ISO 4892-2 A Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 Iame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 Iame resistance IEC 60	Operating temperature min. (dynamic)	-25 °C
lame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 hemical resistance Good, application-related testing list resistance Good, application-related testing list resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C lo. of torsion cycles 2 Mio. orsion stress ± 30 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
hemical resistance Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C io. of torsion cycles 2 Mio. orsion stress ± 30 °/m	UV resistance	DIN EN ISO 4892-2 A
Good, application-related testing DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C lo. of torsion cycles 2 Mio. orsion stress ± 30 °/m	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
bil resistance DIN EN 60811-404 Good, application-related testing ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C lo. of torsion cycles 2 Mio. orsion stress ± 30 °/m	chemical resistance	Good, application-related testing
ending radius (fixed) 5 x Outer diameter ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C lo. of torsion cycles 2 Mio. orsion stress ± 30 °/m	Gasoline resistance	Good, application-related testing
ending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 5 Mio. @ 25 °C c. of torsion cycles 2 Mio. orsion stress ± 30 °/m	Oil resistance	DIN EN 60811-404 Good, application-related testing
ravel speed (C-track) 5 Mio. @ 25 °C lo. of torsion cycles 2 Mio. orsion stress ± 30 °/m	Bending radius (fixed)	5 x Outer diameter
o. of torsion cycles 2 Mio. orsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
orsion stress ± 30 °/m	Travel speed (C-track)	5 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
orsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min