

M12 male 90° A-cod. with cable shielded

PUR 5x0.34 shielded gy 3m

Male 90° M12, 5-pole shielded A-coded

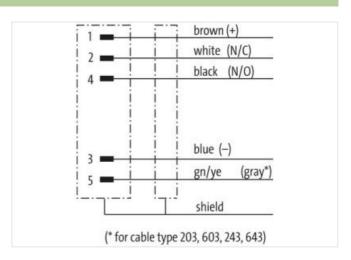
Plastic housings with good resistance against chemicals and oils.

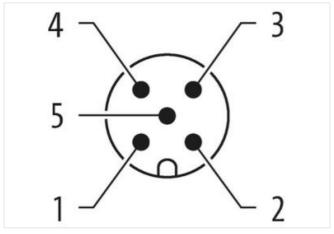
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

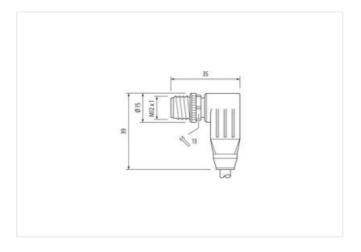
Link to Product

Illustration









Product may differ from Image











Cable length

3 m

Side 1

Tightening torque

0,6 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: 2024-04-16



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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	11 00, 11 0010, 11 07
Coating contact	gold plated
Commercial data	9 · 1 · · · ·
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879200479
Packaging unit	1
	'
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	349
Jacket Color	gray

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Stranding Swies around Core filler twisted Cable shielding (type) copper braid, timed Cable shielding (coverage) 85 % Banding Fleece, Foll Filter yes wire arrangement brown, Nack, blue, white, green-yellow No. of bornding cycles (C track) 0.1 Mio. @ 25 °C Cable weight a common special	Amount stranding	1
Cable shieding (coverage) 65 % Bandring Floer. Filter yes wire arrangement brown, back, bue, while, green-yellow No. of bending cycles (C track) 0.1 Mo. @ 25 °C Cable weight 59 4 pm Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 15 9 mm Outer-dismeter (jacket) 5,9 mm Tollarance outer diameter (headeth) ± 5 % Material inner jacket PVC Color (ner jacket) gray Color (ner jacket) gray Outer diameter insulation PVC Amount wires 5 Outer diameter insulation ± 5 % Material procedure we insulation ± 5 % Material procedure we insulation ± 5 % Material procedure we insulation ± 5 % Shore hardness we insulation ± 5 % Ingredient freeness wire insulation ± 5 % Ingredient freeness wire insulation ± 6 % Ingredient freeness wire insulation ± 6 % <td></td> <td>5 wires around Core filler twisted</td>		5 wires around Core filler twisted
Banding Rieco, Foil Riec		copper braid, tinned
Banding		
wire arrangement brown, black, blue, white, green-yellow No. of bendring cycles (C-track) 0,1 Mio. @ 25 °C Cable weight 59,4 gm Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 5,9 mm Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,5 % Material properties wire insulation 85 ± 5 Shore A Material properties wire insulation 85 ± 5 Shore A Material properties wire insulation 85 ± 5 Shore A Ingredient freeness wire insulation load free, cadmitum-free, CPC-free, silicone-free Ingredient freeness wire insulation load free, cadmitum-free, CPC-free, silicone-free Diameter of single wires 0,1 mm Conductor transsection (wire) 0,3 mm² Material conductor wire Stranded cooper wire, bare Conductor trype (wire) <th< td=""><td></td><td>Fleece, Foil</td></th<>		Fleece, Foil
wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) O. 1 Mio. @ 25 °C Cable weight S9.4 g/m Material jacket PUR Shore hardness jacket Freedom from ingredients (jacket) Cuter-diameter (jacket) S9.9 rmm Telerance under diameter (heath) \$5.9 rmm Telerance under diameter (heath) \$7.9 rmm Telerance under diameter (heath) \$7.0 rmm Telerance under diameter (heath) Telerance under diameter (heath) \$7.0 rmm Telerance under diameter (heath) Telerance under diameter (heath) Telerance under diameter (heath) \$7.0 rmm Telerance under diameter (heath) Telerance unde		· · · · · · · · · · · · · · · · · · ·
No. of bending cycles (C-track) 0,1 Mio. @ 25 °C Cable weighth 59,4 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 5 Outer diameter tolerance core insulation 1,45 mm Outer diameter insulation 85 ± 5 Shore A Material properties wire insulation 900 machinability Ingredient Reeness wire insulation 900 machinability Ingredient Reeness wire insulation 900 machinability Ingredient Reeness wire insulation 90.1 mm Conductor byte (wire) 0,3 mm² Material productor orgassection (wire) 0	wire arrangement	
Cable weight 59.4 p/m Material jacket PUR Shore hardness jacket 85 ± 5 shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outler-diameter (jacket) 5,9 mm Orderance outer diameter (sheath) ± 5% Material inner jacket PVC Color (mer jacket) gray Material inner jacket PVC Color (mer jacket) 9 mm Outer diameter insulation PVC Amount wires 5 Outer diameter insulation 1,45 mm Outer diameter insulation 85 ± 5 Shore A Material properties were insulation 85 ± 5 Shore A Material properties were insulation 68 ± 5 Shore A Insulation of properties were insulation 69 ± 5 Shore A Insulation of properties were insulation 69 ± 5 Shore A Insulation of properties were insulation 90 ± 3 Shore A Insulation of properties were insulation 90 ± 3 Shore A Insulation of properties were insulation 90 ± 3 Shore A Material oundated viring were 90 ± 3 Shore A		0,1 Mio. @ 25 °C
Shore hardness jacket		59,4 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 5.9 mm Toferance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material winner jacket) pVC Amount wires 5 Outer diameter insulation 1,45 mm Outer diameter insulation 55 % Shore hardness wire insulation 85 ± 5 Shore A Material properties wire insulation good machinability Ingredient freenass wire insulation good machinability Ingredient freenass wire insulation lead-free, admium-free, CFC-free, silicone-free Amount strands (wire) 42 Dameter of single wires 0,1 mm Conductor crosssection (wire) 3,44 mm² Material orductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Min. operating temperature static) - 40 °C Max. operating temperature static) - 40 °C Max. operating temperature max. (dynamic) - 5 °C Operating temperature max. (dynamic) - 5 °C Operating temperature statics Good, application-related testing Gasolin resistance DIN EN 60811-404 [Good, application-related testing Bending radius (fixed) 10 × Outer diameter	Material jacket	PUR
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 5 Outer diameter Insulation 1,45 mm Outer diameter blerance core insulation ± 5 % Shore hardness wire insulation 85 ± 5 Shore A Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Dameter of single wires 0,1 mm Conductor (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded capper wire, bare Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 2098-4 Current load capacity win, wire 4,5 A Electrical resistance line consant wire 57 D/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Act withstand voltage power (wire - shield)	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,45 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 ± 5 Shore A Material properties wire insulation good machinability Ingredient freeness were insulation good machinability Ingredient freeness were insulation 42 Diameter of single wires 0,1 mm Conductor or sessection (wire) 0,34 mm² Material conductor wire 5 med 25 °C Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) 5 D V NDE 0288-4 Relectrical resistance line constant wire 5 T D/km @ 20 °C Max. rated voltage power (conductor - conductor - conductor) 350 V AC withstand voltage power (wire	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Material inner jacket PVC Color (inner jacket) gray Material wire insulation PVC Amount wires 5 Outer diameter insulation ±,5 mm Outer diameter insulation ±,5 mm Outer diameter insulation 85 ± 5 shore A Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount stands (wire) 42 Diameter of single wires 0,1 mm Conductor ovissaccion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 2098-4 Current load capacity (standard) to DIN VDE 2098-4 Current load capacity (standard) to DIN VDE 2098-4 Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V AC withstand voltage power (conductor - ground) 350 V AC withstand voltage power	Outer-diameter (jacket)	5,9 mm
Color (inner jacket) gray Material wire insulation PVC Amount wires 5 Outer diameter lostration or insulation 1.45 mm Outer diameter blerance core insulation 85 ± 5 Shore A Material properties wire insulation 80 ± 5 Shore A Material properties wire insulation load-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor (wire) 0,3 4 mm² Material conductor wire Stranded copper wire, bare Conductor (by (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 028-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 O/km @ 20 °C Max. rated voltage power (conductor - ground) 350 V Max. rated voltage power (wire - sisted) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - sisted) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C	Tolerance outer diameter (sheath)	±5%
Material wire insulation PVC Amount wires 5 Outer diameter insulation 1.45 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 ± 5 Shore A Material properties wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 4,5 M Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (wire - shield) 1,5 kV @ 60 s <td>Material inner jacket</td> <td>PVC</td>	Material inner jacket	PVC
Amount wires 5 Outer diameter insulation 1,45 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 85 ± 5 Shore A Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire constant wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Max. operating temperature (st	Color (inner jacket)	gray
Outer diameter insulation 1,45 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 ± 5 Shore A Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 350 V AC withstand voltage power (conductor - ground) 350 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Min. operating temperature (static) 40 °C Operating	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 ± 5 Shore A Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (max. (dynamic) 5 °C <t< td=""><td>Amount wires</td><td>5</td></t<>	Amount wires	5
Shore hardness wire insulation 85 ± 5 Shore A Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded class 6 Taversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - sonductor) 350 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C <tr< td=""><td>Outer diameter insulation</td><td>1,45 mm</td></tr<>	Outer diameter insulation	1,45 mm
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 D/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 50 °C Operating temperature min. (dynamic) 50 °C Operating temperature max. (dynamic) 70 °C Filame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Shore hardness wire insulation	85 ± 5 Shore A
Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. porating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Fiame resistance EC 6033-2-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Material properties wire insulation	good machinability
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wine 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 350 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Min. operating temperature (static) -40 °C Operating temperature min. (dynamic) -5° C Operating temperature max. (dynamic) -6° C Flame resistance EC 6003, application-related testing Good, application-related testing Ending radius (fixed) 10 x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404	Amount strands (wire)	42
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 350 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter		0,34 mm²
Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 350 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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) 70 °C Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) AC withstand voltage power (wire - shield) AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (ixed) Operating temperature min. (dynamic) 70 °C Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 350 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Traversing distance (C-track)	5 m @ 25 °C
Electrical resistance line constant wire 57 \(\Omega\) / Xm \(\end{align*} \) 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - conductor) 350 V AC withstand voltage power (wire - shield) 1,5 kV \(\end{align*} \) 60 s Power frequency withstand voltage power (wire - wire) 2 kV \(\end{align*} \) 60 s AC withstand voltage power (wire - wire) 2 kV \(\end{align*} \) 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 \(\green\) 100 UL 1581 \(\green\) 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - conductor) 350 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Current load capacity min. wire	4,5 A
Max. rated voltage power (conductor - conductor) AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Max. rated voltage power (conductor - ground)	300 V
Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	0 1 (350 V
(wire - jacket) AC withstand voltage power (wire - wire) AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	AC withstand voltage power (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter		2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Max. operating temperature (fixed)	80 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Operating temperature min. (dynamic)	-5 ℃
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter	Bending radius (fixed)	10 x Outer diameter
	Bending radius (dynamic)	15 x Outer diameter