

## M12 female 0° A-cod. with cable shielded

PUR 4x0.34 shielded gy 50m

Female straight M12, 4-pole shielded

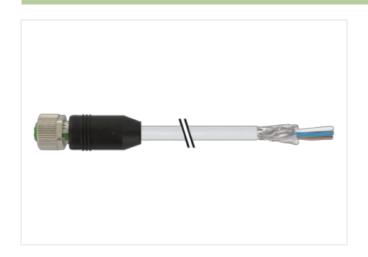
with cable sleeves

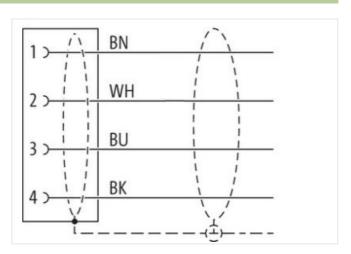
Plastic housings with good resistance against chemicals and oils.

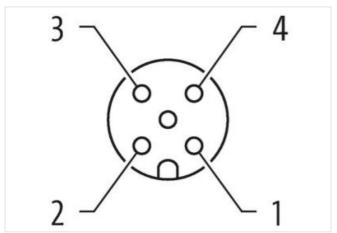
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

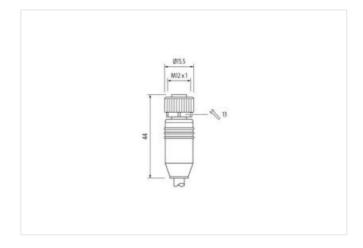
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

50 m

Side 1

Tightening torque 0,6 Nm



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
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	4048879200028
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	331
Jacket Color	gray
Amount stranding	1
Stranding	4 wires twisted
Banding	Fleece, Foil

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: 2024-04-26



stay connected

Material jacket   PUR   Shore hardness jacket   PUR   Shore hardness jacket   S5 ± S Shore A   S ± 5 Shore A   S ± 5 Shore hardness jacket   S + 9 mm   Shore hardness jacket   S + 9 mm   Shore hardness vice instance (sheath)   ± 5 %   Shore hardness vice insulation   PVC   Shore hardness wire insulation   PVC   Shore hardness wire insulation   1.4 mm   Shore hardness wire insulation   85 ± 5 Shore A   Shore hardness wire insulation   S ± 5 %   Shore hardness wire insulation   S ± 5 Shore A   Shore hardness wire insulati	No. of bending cycles (C-track)	0,1 Mio. @ 25 °C
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           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         4           Outer diameter insulation         1,4 mm           Outer diameter insulation         85 ± 5 Shore A           Ingredient freeness wire insulation         85 ± 5 Shore A           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor vire         Strande conductor wire           Material conductor wire         Strande class 6           Traversing distance (C-track)         5 m @ 25 °C           Current load capacity (standard)         to DIN VDE 0288-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Okm @ 20 °C           Max. rated voltage power (conductor - ground)         350 V           Act withstand voltage power (wire - shield)         1,5 kV @ 60 s           Power frequency w	Material jacket	PUR
Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (shealth)         ± 5 %           Material iner jacket         PVC           Color (inner jacket)         gray           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,4 mm           Outer diameter (olerance core insulation         ± 5 %           Shore hardness wire insulation         85 ± 5 Shore A           Ingredient freeness wire insulation         85 ± 5 Shore A           Ingredient freeness wire insulation         86 ± 5 Shore A           Ingredient freeness wire insulation         86 ± 5 Shore A           Ingredient freeness wire insulation         86 ± 5 Shore A           Ingredient freeness wire insulation         86 ± 7 Shore A           Conductor seascessection (wire)         42           Diameter of single wires         0,1 mm           Conductor or seascestion (wire)         3.4 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 wire (s	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material inner jacket         PVC           Color (inner jacket)         gray           Matorial wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,4 mm           Outer diameter insulation         85 ± 5 Shore A           Ingredient freeness wire insulation         85 ± 5 Shore A           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           Taversing distance (C-track)         5 m @ 25 °C           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 - shiekl)         1,5 kV @ 60 s           Power frequency	Outer-diameter (jacket)	5,9 mm
Color (Inner Jacket)   gray	Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	Material inner jacket	PVC
Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation 2.5 % Shore hardness wire insulation 85 ± 5 Shore A Ingredient freeness wire insulation 85 ± 5 Shore A 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 298-4 Current load capacity (standard) to DIN VDE 298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - conductor) AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter	Color (inner jacket)	gray
Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 85 ± 5 Shore A 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 4,8 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) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090 Chemical resistance Good, application-related testing Gill resistance Good, application-related testing Din K Outer diameter Bending radius (fixed) 10 x Outer diameter	Material wire insulation	PVC
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 ± 5 Shore A           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           Max. rated voltage power (conductor - ground)         300 °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           Vivia - jacket)         AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         30 °C           Max. operating temperature (fixed)	Amount wires	4
Shore hardness wire insulation         85 ± 5 Shore A           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 min. wire         4,8 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 - wire)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature (min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         Good, application-related testing           Chemical r	Outer diameter insulation	1,4 mm
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 min. wire 4.8 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) 1,5 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) -30 °C  Max. operating temperature (static) -5 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) -70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Ending radius (fixed) 10 x Outer diameter	Outer diameter tolerance core insulation	± 5 %
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 4,8 A  Electrical resistance line constant wire 7 r 0 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 - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (fixed) 80 °C  Operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (installation) x Outer diameter	Shore hardness wire insulation	85 ± 5 Shore A
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 min. wire 4,8 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Max. rated voltage power (conductor - ground) 300 V  Max. rated voltage power (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  Min. operating temperature (static) -30 °C  Max. operating temperature (static) -30 °C  Max. operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  Chemical resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending 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 min. wire       4,8 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)       -30 °C         Max. operating temperature (ixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         Chemical resistance       Good, application-related testing         Gil resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)	Amount strands (wire)	42
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 4.8 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) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  Chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter	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 4.8 A  Electrical resistance line constant wire 57 \( \Omega \text{Lm} \text{ @ 00 °C} \)  Max. rated voltage power (conductor - ground) 300 V  Max. rated voltage power (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) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  Chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter	Conductor crosssection (wire)	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 4,8 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) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 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) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 \( \Omega \)/m \( \omega \) 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 \( \omega \) 60 s  Power frequency withstand voltage power (wire - wire) 2 kV \( \omega \) 60 s  AC withstand voltage power (wire - wire) 2 kV \( \omega \) 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 \(\sigma \) 1100 FT2   IEC 60332-2-2   UL 1581 \(\sigma \) 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) 10 x Outer diameter	Traversing distance (C-track)	5 m @ 25 °C
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  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
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) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter	Current load capacity min. wire	4,8 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  Min. operating temperature (static)  As operating temperature (fixed)  Operating temperature min. (dynamic)  70 °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  10 x Outer diameter	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Conductor)  AC withstand voltage power (wire - shield)  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire wire)  AC withstand voltage power (wire)  AC withstand voltage p	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)  30 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  70 °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  10 × Outer diameter		350 V
AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  10 x Outer diameter	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)  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  10 x Outer diameter		2 kV @ 60 s
Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  70 °C  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  10 x Outer diameter	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic)  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Gaod, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  10 x Outer diameter	Max. operating temperature (fixed)	80 °C
Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  10 x Outer diameter	Operating temperature min. (dynamic)	-5 ℃
chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       10 x Outer diameter	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter  Bending radius (fixed) 10 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter	Oil resistance	Good, application-related testing   DIN EN 60811-404
To X Guidi diameter	Bending radius (installation)	x Outer diameter
Bending radius (dynamic) 15 x Outer diameter	Bending radius (fixed)	10 x Outer diameter
	Bending radius (dynamic)	15 x Outer diameter