

## M12 male 90° A-cod. with cable shielded

PVC 5x0.34 shielded gy 1.5m

Male 90° M12, 5-pole shielded A-coded

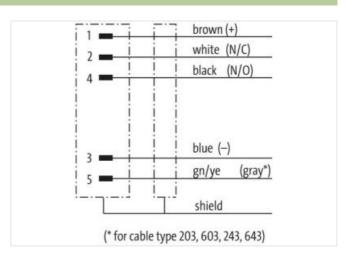
Plastic housings with good resistance against chemicals and oils.

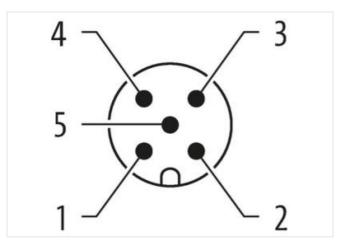
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

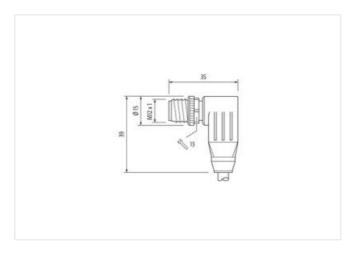
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

1,5 m

Side 1

Tightening torque 0,6

0,6 Nm



stay connected

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	
Coating contact	gold plated
Commercial data	
ECLASS-6.0	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	4048879200554
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	348
Jacket Color	gray

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

Stranding factor min.   75 mm	Amount stranding	1
Stranding factor max.         75 mm           Cable shelding (type)         copper braid, tinned           Cable shelding (coverage)         85 %           Banding         Foil           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         72.05 g/m           Material jacket         PVC           Shore hardness jacket         75 Shore A           Freedom from ingredients (acket)         lead-free, cadmun-free, CFC-free           Unter-dameter (facket)         5 mm           Tolerance outer diameter (sheath)         2 5 %           Material wrie insulation         PVC           Amount wries         5           Cuter diameter insulation         1.4 mm           Outer diameter insulation         1.5 %           Shore hardness wrie insulation         85 Shore A           Ingredient freeness wie insulation         85 Shore A           Ingredient freeness wie insulation         85 Nore A           Ingredient freeness wie insulation         80 Shore A           Ingredient freeness wie insulation         81 Mm           Ingredient freeness wie insulation         82 Mm           Conductor type (wire)         3.4 mm²           Conductor t	Stranding	5 wires around Core filler twisted
Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Banding         Foil           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigh         72.05 g/m           Material jacket         PVC           Shore hardness jacket         PVC           Shore Indirect (jacket)         Isad-tree, cadmium-free, CFC-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         5 %           Material wire insulation         PVC           Amount wires         5           Outer dameter (sheath)         1,4 mm           Outer dameter tolerance core insulation         1,4 mm           Under diameter tolerance core insulation         85 Shore A           Ingredient freeness wire insulation         85 Shore A           Conductor crassection (wire)         42           Damater of single wires         0,1 mm	Stranding factor min.	75 mm
Cable shielding (coverage)         85 %           Banding         Foil           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         72,05 g/m           Material jacket         PVC           Shore hardness jacket         75 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Culser-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter losilation         1.4 mm           Outer diameter blearence core insulation         1.4 mm           Outer diameter blearence core insulation         85 Shore A           Ingredient freeness wire insulation         9.3 mm²           Conductor or single wires         9.1 mm           Conductor bleaver (wire)         9.3 mm²           Cameric of single wires         5.1 mm²           Current load capacity (wire)         8.1 mm² <td>Stranding factor max.</td> <td>75 mm</td>	Stranding factor max.	75 mm
Banding Foll yes yes wire arrangement brown. black, blue, white, green-yellow  Cable weight 72,05 g/m  Material jackert PVC  Shore hardness jackel 75 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ± 5%  Material wire insulation PVC  Amount wires 5  Outer diameter insulation 1,4 mm  Outer diameter insulation 1,4 mm  Outer diameter insulation 1,4 mm  Outer diameter or lead to the control of the control	Cable shielding (type)	copper braid, tinned
Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         72.05 g/m           Material jacket         PVC           Shore hardness jacket         75 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer dameter (shealth)         ± 5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,4 mm           Outer diameter insulation         85 Shore A           Ingredient freeness wire insulation         85 Shore A           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor year (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8           Electrical resistance line constant wire         57 Ωkm @ 20 °C           Max. rated voltage power (conductor -	Cable shielding (coverage)	85 %
wire arrangement brown, black, blue, white, green-yellow Cable weight 72,05 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness jacket) 175 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 25 % Shore hardness wire insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 25 % Shore hardness wire insulation 1,4 mm Outer diameter insulation 2,4 mm Outer diameter insulation 2,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 2,4 mm Outer diameter insulation 2,4 mm Outer diameter insulation 2,4 mm Outer diameter insulation 2,5 mm Outer diameter insulation 2,4 mm Outer diameter insulation 2,4 mm Outer diameter insulation 2,4 mm Outer diameter insulation 3,4 mm Outer diame	Banding	Foil
Cable weight         72,05 g/m           Material jacket         PVC           Shore hardness jacket         75 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,4 mm           Under diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 Shore A           Ingredient freeness wire insulation         85 Shore A           Ingredient freeness wire insulation         82 Shore A           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Current load capacity (standard)         to DIN VDE 2088-4           Current load capacity (standard)         to DIN VDE 2088-4           Current load capacity (min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Max. rated voltage power (conductor - conductor)         500 V	Filler	yes
Material jacket	wire arrangement	brown, black, blue, white, green-yellow
Shore hardness jacket   75 Shore A	Cable weigth	72,05 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-cliameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter insulation ± 5 % Shore hardness wire insulation lead-free, CFC-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 Current load capacity flandard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Okm @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) 30 °C Max. Operating temperature (static) 80 °C Operating temperature (static) 70 °C Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2 chemical resistance Good, application-related testing Olin esistance Good, application-related testing Olin esistance Good, application-related testing	Material jacket	PVC
Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,4 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 Shore A           Ingredient freeness wire insulation         lead-free, CFC-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           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 0/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)         1,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temp	Shore hardness jacket	75 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,4 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 Shore A           Ingredient freeness wire insulation         lead-free, CFC-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           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 (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)         1,5 kV @ 60 s           Min. operating temperature (static)         30 °C           Max. operating temperature (static)         30 °C           Operating temperature (mixed)         80 °C           Oper	Outer-diameter (jacket)	5,9 mm
Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter folerance core insulation 1,5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor rosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity inin. 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 Min. operating temperature (sixed) 30 °C Min. operating temperature (sixed) 80 °C Operating temperature (sixed) 80 °C Operating temperature (mixed) 70 °C Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1990   IEC 60332-2-2 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-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 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 - ground) 300 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (mixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2 Chemical resistance Good, application-related testing   DIN EN 60811-404	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-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  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 0/km @ 20 °C  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 - wire) 1,5 kV @ 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance Good, application-related testing   DIN EN 60811-404	Amount wires	5
Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 C/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 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   UL 1581 § 1090   IEC 60332-2-2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404	Outer diameter insulation	1,4 mm
Ingredient freeness wire insulation lead-free, CFC-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  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 - 500 V  AC withstand voltage power (wire - shield) 1,5 kV @ 60 s  Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s  AC withstand voltage power (wire - wire) 1.5 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   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Giod, application-related testing   DIN EN 60811-404	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  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 \( \Omega \text{Lm} \) @ 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) 1,5 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  Gasoline resistance Good, application-related testing   DIN EN 60811-404	Shore hardness wire insulation	85 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  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 \( \Omega \text{Lm} \) @ 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) 1,5 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  Gasoline resistance Good, application-related testing   DIN EN 60811-404	Ingredient freeness wire insulation	lead-free, CFC-free
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  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) 1,5 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) -5 °C  Chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing   DIN EN 60811-404		42
Conductor crosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         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 - sixeld)       1,5 kV @ 60 s         AC withstand voltage power (wire - wire)       1,5 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   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404		0,1 mm
Conductor type (wire)       strand class 6         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 - conductor)       500 V         AC withstand voltage power (wire - shield)       1,5 kV @ 60 s         Power frequency withstand voltage power (wire - wire)       1,5 kV @ 60 s         AC withstand voltage power (wire - wire)       1,5 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   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404		0,34 mm²
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 \( \Omega\) 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 - wire) 1,5 kV @ 60 s  AC withstand voltage power (wire - wire) 1,5 kV @ 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing   DIN EN 60811-404	Material conductor wire	Stranded copper wire, bare
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)       500 V         AC withstand voltage power (wire - shield)       1,5 kV @ 60 s         Power frequency withstand voltage power (wire - wire)       1,5 kV @ 60 s         AC withstand voltage power (wire - wire)       1,5 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   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404	Conductor type (wire)	strand class 6
Electrical resistance line constant wire 57 Ω/km @ 20 °C  Max. rated voltage power (conductor - ground) 300 V  Max. rated voltage power (conductor - 500 V  AC withstand voltage power (wire - shield) 1,5 kV @ 60 s  Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s  AC withstand voltage power (wire - wire) 1,5 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   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404	Current load capacity (standard)	to DIN VDE 0298-4
Max. rated voltage power (conductor - ground) 300 V  Max. rated voltage power (conductor - conductor) 500 V  AC withstand voltage power (wire - shield) 1,5 kV @ 60 s  Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s  AC withstand voltage power (wire - wire) 1,5 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   UL 1581 § 1090   IEC 60332-2-2 chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing   DIN EN 60811-404	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 - shield)  1,5 kV @ 60 s  1,5 kV @ 60 s  AC withstand voltage power (wire - wire)  1,5 kV @ 60 s  Min. operating temperature (static)  Ac withstand voltage power (wire - wire)  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  70 °C  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing   DIN EN 60811-404	Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage power (wire - shield)  Power frequency withstand voltage power (wire - jacket)  1,5 kV @ 60 s  AC withstand voltage power (wire - wire)  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  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Chemical resistance  Good, application-related testing  Gil resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404	Max. rated voltage power (conductor - ground)	300 V
Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  1,5 kV @ 60 s  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  70 °C  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing   DIN EN 60811-404		500 V
(wire - jacket)  AC withstand voltage power (wire - wire)  1,5 kV @ 60 s  Min. operating temperature (static)  -30 °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  70 °C  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing   DIN EN 60811-404	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)  70 °C  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing   DIN EN 60811-404		1,5 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   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404	AC withstand voltage power (wire - wire)	1,5 kV @ 60 s
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  70 °C  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404	Max. operating temperature (fixed)	0° ℃
Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404	Operating temperature min. (dynamic)	-5 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
Oil resistance Good, application-related testing   DIN EN 60811-404	chemical resistance	Good, application-related testing
· 11	Gasoline resistance	Good, application-related testing
Panding radius (dynamia) 15 y Outer diameter	Oil resistance	Good, application-related testing   DIN EN 60811-404
Denoing radius (dynamic) 15 x Outer diameter	Bending radius (dynamic)	15 x Outer diameter