

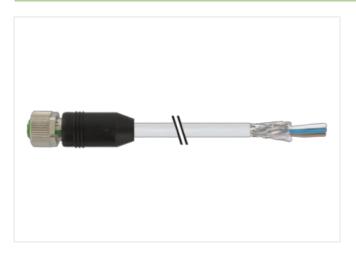
M12 female 0° A-cod. with cable shielded

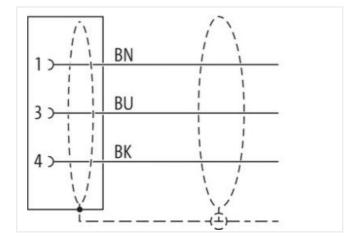
PVC 3x0.34 shielded gy UL/CSA 35m

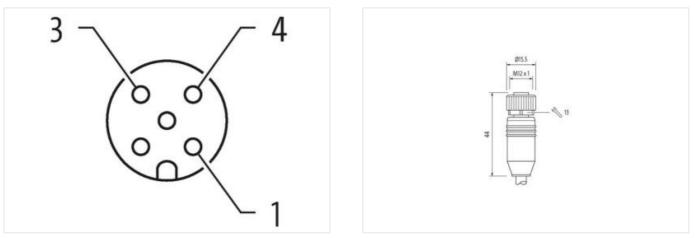
Female straight M12, 3-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image





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	4048879590808
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
-	1012 & 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	317

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-03

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Amount stranding 1 Stranding tactor min. 40 mm Stranding factor max. 40 mm Stranding factor max. 40 mm Cable shielding (coverage) 85 % Banding Fleece, Foll wire arrangement brown block, blue Cable shielding (coverage) 85 1/9 m Material jacketi PVC Strone hardines jacketi PVC Strone hardines jacketi PVC Strone hardines jacketi PVC Order diameter (lacketity) 1.5 Store A Freedom from ingredients (jacketity) lead-free, cadminu-free, CFC-free, silicone-free Outer diameter (lacketity) 1.5 % Material wire insulation PVC Strone hardines wire insulation 1.4 mm Outer diameter (sheath) 1.5 % Strone hardines wire insulation 1.9 1 3 Store A Ingredient treeness wire insulation 1.9 1 3 Store A Ingredient treeness wire insulation 1.9 1 3 Store A Ingredient treeness wire insulation 1.9 1 3 Store A Mount strands (wire) 1.9 1 3 Store A Conductor crossesteetin (wire) 0.15 mm	Jacket Color	gray
Stranding factor min. 40 mm Stranding factor max. 40 mm Stranding factor max. 40 mm Cable shelding (coverage) 85 % Banding Fleece, Foll wire arrangement brown, black, blue Cable shelding (coverage) 85 1, g/m Banding Fleece, Foll wire arrangement brown, black, blue Cable weight 56,1 g/m Banding (glocket) 80 ± 5 Shore A Freedom from ingredient (glocket) 16 ad-free, cadminu-free, CFC-free, silicone-free Outer-cliameter (inceket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inceket 9 0 2 Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 S % Mount strands (wire) 19 4 Dore Arrises wire insulation 1,4 S % Mount strands (wire) 19 4 Dared or single wires 0,15 mm Canduct crosssection (wire) 0,34 mm² Material conductor view Strand class 5 Max. rated village (conductor - conducto) 50 V Max. rated village (conductor - conducto) 50 V Max. rated village (conductor - conducto) 500 V	Amount stranding	1
Stranding factor max. 40 mm Cable shielding (type) coopper braid, tinned Cable shielding (coverage) 85 % Barding Fleece, Fol wire arrangement brown, black, blue Cable weight 55,1 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) 5,9 mm Tolerance outer diameter (sacket) 5,9 mm Tolerance outer diameter (sacket) 5,9 mm Outer diameter isalation PVC Amount wires 3 Outer diameter isalation PVC Amount wires 3 Outer diameter isalation 1,4 mm Outer diameter isalation 90 ± 3 Shore A Ingredient foreases wire insulation \$9 ± 3 Shore A Ingredient foreases wire insulation 19 ± 3 Shore A Ingredient foreases wire insulation 19 ± 3 Shore A Ingredient foreases wire insulation 19 ± 3 Shore A Ingredient foreases wire insulation 19 ± 3 Shore A Ingredient foreasetion (wire) 0.3 ± 3 Shore A Ingredient foreasetion (wire) 0.3 ± 3 Shore A Ingredient foreasetion (wire) 0.3 ± 3 Shore A Ingredient foreasetion (wire) 0.15 km Conductor	Stranding	3 wires twisted
Cable shielding (type) copper braid, linned Cable shielding (coverage) 85 % Banding Fleece, Foll wire arrangement brown, black, blue Cable weigh 56,1 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadrium-free, CFC-free, silicone-free Outer-diameter (jacket) ± 5 % Material jacket PVC Tolerance outer diameter (sheath) ± 5 % Material wrei insulation PVC Amount wreis 3 Outer diameter (sheath) ± 5 % Material wrei insulation 1,4 mm Outer diameter tolerance ore insulation 1,4 mm Outer diameter tolerance ore insulation 19 ± 3 Shore A Ingredient freeness wire insulation lead free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor weis insulation lead free, cadmium-free, CFC-free, silicone-free Material conductor wire Stradded coppert wire, bare	Stranding factor min.	40 mm
Cable shielding (coverage) 85 % Banding Fleece, Foil wire arrangement brown, black, blue Cable weigth 56,1 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silcone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.4 mm Outer diameter insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.0 ± 3 Shore A Diameter of aingle wires 0,15 mm Conductor rosses wire insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.0 ± 3 Khore A Conductor type (wire) 0,34 mm² Material conductor wire Strande cospect wire, bare	Stranding factor max.	40 mm
Banding Fleece, Foll wire arrangement brown, black, blue Cable weight 56.1 g/m Material jacket PVC Shore hardness jacket 80.1 5 Shore A Freedom from ingredients (jacket) 5.9 mm Tolerance outer diameter (sheath) 5.9 mm Tolerance outer diameter (sheath) 5.9 mm Amount wires 3 Outer diameter (sheath) 1.4 mm Outer diameter (sheath) 90 ± 3 Shore A Ingredient freeness wire insulation 1.4 mm Outer diameter (wire) 90 ± 3 Shore A Ingredient freeness wire insulation 1.4 mm Conductor crossection (wire) 0.3 4 mm² Material wires 0.15 mm Conductor rops (wire) 0.34 mm² Material conductor wire Strand d copper wire, bare Conductor rops (wire) 0.34 mm² Material voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 50 V	Cable shielding (type)	copper braid, tinned
wire arrangement brown, black, blue Cable weight 56,1 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheat) 5.9 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.4 mm Outer diameter insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 1.9 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.34 mm² Material conductor vire Strandel copper wire, bare Conductor vire (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Current load capacity (standard) to DIN VDE 0298.4 Current load capacity (wire- wire) 1,5 kV @ 60 s Powor frequency withstand voltage (wire - wire) 1	Cable shielding (coverage)	85 %
Cable weight 56, 1 g/m Material jacket PVC Shore hardness jackt 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer -diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,4 mm Outer diameter lolerance core insulation 1.5 % Shore hardness wire insulation 90 ± 3 Shore A Ingredient freeness wire insulation 19 ± 3 Shore A Dameter of single wires 0.15 mm Conductor crosssection (wire) 0.3 mm ² Material conductor wire Strand class 5 Conductor type (wire) Strand class 5 Max. rated voltage (conductor - round) 300 V Current load capacity (standard) to DIN VDE 0298.4 Current load capacity (standard) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shile(t) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shile(t) 1,5 kV @ 60 s Max. redevoltage (ronductor - roun	Banding	Fleece, Foil
Material jacket PVC Shore hardness jacket 80 1 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (gacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.4 mm Outer diameter loarance core insulation ± 5 % Shore hardness wire insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.0 ± 3 Shore A Conductor crossection (wire) 0.34 mm ² Conductor vige (wire) 0.15 mm Conductor vige (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - constant wire) 6 A Electrical resistance line constant wire) 6 A Electrical resistance line constant wire) 6 A Electrical resistance line constant wire) 6 A Electrical resistanc	wire arrangement	brown, black, blue
Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 %. Material wire insulation PVC Amount wires 3 Outer diameter (lorance core insulation ± 5 %. Shore hardness wire insulation 90 ± 3 Shore A Ingredient freeness wire insulation 90 ± 3 Shore A Amount stands (wire) 19 Diameter of single wires 0,15 mm Conductor orwseection (wire) 0,34 mm ² Conductor orw (wire) Strand class 5 Conductor vire (wire) Strand class 5 Max. rated voltage (conductor - orgound) 300 V Current load capacity min. wire 6 A Electrical resistance line constant wire 57 0/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (stande) 40 °C Max. operating temperature (stande) 40 °C Max rated voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (stande) <td>Cable weigth</td> <td>56,1 g/m</td>	Cable weigth	56,1 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.4 mm Outer diameter insulation 90 ± 3 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm ² Material wire insulation Stranded copper wire, bare Conductor vire Stranded copper wire, bare Current	Material jacket	PVC
Outer-diameter (jacket) 5,9 mm Tolerance outer (diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 0 ± 3 Shore A Ingredient freeness wire insulation 00 ± 3 Shore A Ingredient freeness wire insulation 00 ± 3 Shore A Ingredient freeness wire insulation 0.9 ± 3 Shore A Ingredient freeness wire insulation 0.9 ± 3 Shore A Ingredient freeness wire insulation 0.9 ± 3 Shore A Ingredient freeness wire insulation 0.9 ± 3 Shore A Ingredient freeness wire insulation 0.9 ± 3 Shore A Ingredient freeness wire insulation 0.9 ± 3 Shore A Ingredient freeness wire insulation 0.9 ± 3 Shore A Ingredient freeness wire insulation 0.9 ± 3 Shore A Ingredient freeness wire insulation 0.9 ± 3 Shore A Ingredient freeness wire insulation 0.9 ± 3 Shore A Ingredient freeness wire insulation 0.34 mm² Material conductor * conductor * 500 V Max. rated voltage (conductor * conductor)	Shore hardness jacket	80 ± 5 Shore A
Tolerance outer diameter (shealth) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.4 mm Outer diameter insulation 90 ± 3 Shore A Ingredient freeness wire insulation 90 ± 3 Shore A Ingredient freeness wire insulation 90 ± 3 Shore A Ingredient freeness wire insulation 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm ² Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor vire Strande copset Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (winshand voltage (wire - inck) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s M	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 90 ± 3 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor or sossection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor vice Stranded copper wire, bare Conductor or conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity withstand voltage (wire - wire) 1,5 kV @ 60 s Ac withstand voltage (wire - wire) 1,5 kV @ 60 s	Outer-diameter (jacket)	5,9 mm
Amount wires 3 Outer diameter insulation 1,4 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 90 ± 3 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor orsssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity mix/me 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - hield) 1,5 kV @ 60 s Mix. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (dynamic) 80 °C Operating temperature (fixed) 80 °C Operating temperature (dynamic) 80 °C Operating temperature max. (dynamic) 80 °C	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 90 ± 3 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor rosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor (ytel) Strande copper wire, bare Conductor (ytel) Strande copper wire, bare Conductor ype (wire) Strande copper wire, bare Conductor (ytel) Strande copper wire, bare Current load capacity (standard) to IN VDE 0298-4 Current load capacity (standard) to IN VDE 0298-4 Current load capacity win. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (stalc)	Material wire insulation	PVC
Outer diameter tolerance core insulation 1 5 % Shore hardness wire insulation 90 ± 3 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor rorsssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor rorsssection (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE	Amount wires	3
Shore hardness wire insulation 90 ± 3 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor vipe (wire) Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wintand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static)	Outer diameter insulation	1,4 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm ^a Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - orgound) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -5 °C Operating temperature fixed 80 °C Operating temperature fixed 60 °C Operating temperature fixed 60 °C Operating temperature fixed 80 °C Coperating temperature fixed	Outer diameter tolerance core insulation	±5%
Amount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Max. rated voltage (conductor - conductor)500 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)1,5 kV @ 60 sElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - inclust)1,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °COperating resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDiN N 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameter	Shore hardness wire insulation	90 ± 3 Shore A
Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 300 V Current load capacity (standard) to DIN VDE 0298-4 Carrent registance 1,5 kV @ 60 s Max. operating temperature (static) -40 °C <tr< td=""><td>Ingredient freeness wire insulation</td><td>lead-free, cadmium-free, CFC-free, silicone-free</td></tr<>	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Max. rated voltage (conductor - conductor)500 VMax. rated voltage (conductor - ground)300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature (min. (dynamic))-5 °COperating temperature (min. (dynamic))80 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testing	Amount strands (wire)	19
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - i_jacket) 1,5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) 80 °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 DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Diameter of single wires	0,15 mm
Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 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) 80 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Conductor crosssection (wire)	0,34 mm ²
Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (fixed) 80 °C Operating temperature (mixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °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 Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Material conductor wire	Stranded copper wire, bare
Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °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 DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Conductor type (wire)	Strand class 5
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameter	Max. rated voltage (conductor - conductor)	500 V
Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)1,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameter	Max. rated voltage (conductor - ground)	300 V
Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 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) 80 °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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 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) 80 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Current load capacity min. wire	6 A
Power frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceIDN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameter	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameter	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameter		1,5 kV @ 60 s
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameter	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °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 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) 80 °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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Max. operating temperature (fixed)	80 °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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
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)	80 °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	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
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

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-03

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