

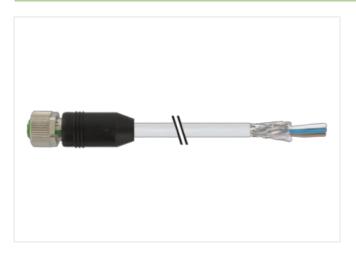
M12 female 0° A-cod. with cable shielded

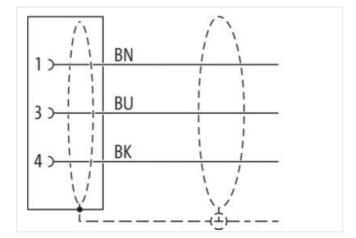
PVC 3x0.34 shielded gy UL/CSA 30m

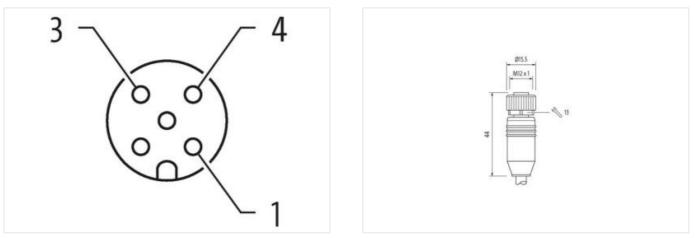
Female straight M12, 3-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

30 m

0,6 Nm

Tightening torque

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: 2024-05-04

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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	4048879365253
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)	
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

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Amount stranding 1 Stranding factor min. 40 mm Stranding factor mix. 40 mm Cable shieding (coverage) 65 % Banding factor mix. 40 mm Cable shieding (coverage) 65 % Banding Fleece, Foil wire arrangement brow, black, blue Cable weight 55,1 g/m Material jacket 80 ± 5 Shore A Freedom from ingredients (jacket) 80 ± 5 Shore A Toerano outer diameter (jacket) 80 ± 5 Shore A Toerano outer diameter (jacket) 5.9 mm Toerano outer diameter (jacket) 5.9 % Material wire insulation PVC Shore hardnese picket 3 Outer diameter insulation 1.4 mm Outer diameter insulation 1.5 mm Conductor wire 0.5 mm Conductor wire Strande coper wire, bare	Jacket Color	gray
Stranding factor min. 40 mm Stranding factor max. 40 mm Cable shelding (coverage) 85 % Banding Pieece, Foll wire arrangement brown, black, blue Cable shelding (coverage) 85 % Banding Pieece, Foll 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, cadmum-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 9.1 3 Shore A Ingredient treeness wire insulation 9.1 3 Shore A Mount strands (wire) 19 Dameter of single wires 0.15 mm Canductor crossection (wire) 0.34 mm ³ Material avoiductor wire Strand class 5 Max. rated valtage (conductor - conductor) 500 V Max. rated valtage (conductor - conductor) 1.5 kV @ 80 s <td< td=""><td>Amount stranding</td><td>1</td></td<>	Amount stranding	1
Stranding factor max. 40 mm Cable shielding (type) coppor braid, finned Cable shielding (coverage) 85 % Barding Fleece, Foll wire arrangement brown, black, blue Cable weight 55, 1g nm Material jackett PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) Iead-free, cadmium-free, CFC-free, silicone-free Outer diameter (jackaq) 5.3 mm Tolerance outer diameter (jackaq) 5.3 mm Tolerance outer diameter (sheath) ± 5 % Admiral wire insulation PVC Amount wires 3 Outer diameter insulation 1.4 mm Outer diameter insulation 90 ± 3 Shore A Ingredient froeness wire insulation 90 ± 3 Shore A Ingredient froeness wire insulation 19 Diameter of single wires 0,15 mm Conductor wires Stranded copper wire, bare Conductor viscoscetion (wire) 03 v0 V Current cod capacity (standard) 300 V Current cod capacity (wires - shifter) 50 v1 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - standard dass 5 Max. rated voltage (conductor - standard dass 5 Max	Stranding	3 wires twisted
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 %. Banding Fleece, Foll wire arrangement brown, black, blue Cable weight 56,1 g/m Material jackst PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) 16a 5 m Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (shealth) ± 5 % Material jackst PVC Amount wires 3 Outer diameter (shealth) ± 5 % Material wire insulation 1,4 mm Outer diameter tolerance core insulation 19 ± 3 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Conductor reconsection (wire) 0,34 mm ⁶ Conductor vire Stranded copper wire, bare Conductor yre (wire) 0	Stranding factor min.	40 mm
Cable shielding (coverage) 85 % Banding Fleece, Foll 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, silicone-free Outer-diameter (jacket) 5.3 mm Tolerance outer diameter (jacket) 5.5 % Matorial wire insulation PVC Amount wires 3 Outer diameter insulation 1.4 mm Outer diameter insulation 9.0 ± 3 Shore A Fore hardness wire insulation 9.0 ± 3 Shore A Outer diameter insulation 9.0 ± 3 Shore A Outer diameter insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 1.4 mm Outer diameter insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 1.9 Sint B Diameter of single wires 0.15 mm Conductor type (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) 0.30 V Current tool capacity min. wire 6 A Electrical resistance line constant wire 57 CMm @ 29 °C Aread voltage (conductor - conductor) 5.0 V <	Stranding factor max.	40 mm
Banding Fleece, Foll wire arrangement brown, black, blue Cable weight 56,1 g/m Material jacket PVC Shore hardness jackat 60.1 5 Shore A Freedom from ingredients (jacket) 16.4 free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PVC Amount wires 3 Outer diameter (sheath) 1.4 mm Outer diameter (sheath) 1.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 1.6 % Shore hardness wire insulation 1.4 mm Outer diameter (single vires 0.15 mm Canductor crossection (wire) 0.34 mm² Material onductor wire Strand class 5 Conductor rype (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - orounductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE	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 suter diameter (sheat) 5.9 mm Outer diameter (jacket) 5.9 mm Outer diameter insulation PVC Amount wires 3 Outer diameter insulation 1.4 mm Outer diameter insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.1 ± 5 % Shore hardness wire insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 9.1 ± 5 % Diameter of single wires 0.15 mm Conductor wires Stranded copper wire, bare Conductor virei Stranded copper wire, bare Conductor virei Stranded copper wire, bare Current load capacity (slandard) to DIN VDE 0298-4 Current load capacity (slandard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1,5 kV @ 60 s <	Cable shielding (coverage)	85 %
Cable weight 56, 1 g/m Material jacket PVC Shore hardness jacket 80, 5 S 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 5 % Material wire insulation PVC Arnout wires 3 Outer diameter insulation 1.4 mm Outer diameter locarce core insulation 1.5 % Shore hardness wire insulation 90.1 3 Shore A Ingredient freeness wire insulation 19 19 Dameter of single wires 0.15 mm Conductor crossection (wire) 0.3 4 mm ² Material conductor wire Stranded copper wire, bare Conductor rossection (wire) 0.3 4 mm ² Material conductor wire Strand class 5 Max. rated voltage (conductor - conductor) 600 V Max. rated voltage (wire - wire) 1,5 kV @ 60 s <td>Banding</td> <td>Fleece, Foil</td>	Banding	Fleece, Foil
Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredents (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 loarance core insulation 1,4 mm Outer diameter loarance core insulation 1.5 % Shore hardness wire insulation 9.0 ± 3 Shore A Ingredient freeness wire insulation 19 ± 3 Shore A Ingredient freeness wire insulation 19 mm Diameter of single wires 0,15 mm Conductor crosssection (wire) 0.34 mm ² 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 3 C Power frequency withstand voltage (wire - wire) 1.5 kV @ 60 s AC withstand voltage (wire - wire) 1.5 kV @ 60 s AC	wire arrangement	brown, black, blue
Shore hardness jacket 80 ± 5 Shore A Freedom trom ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (jacket) 5,9 mm Material wire insulation PVC Amount wires 3 Outer diameter (jacket) 1,4 mm Outer diameter insulation 90 ± 3 Shore A Ingredient freeness wire insulation 90 ± 3 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount stands (wire) 19 Diameter of single wires 0,15 mm Conductor crossection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor by (wire) Strand class 5 Max. rated voltage (conductor - orgound) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - ison) 1,5 kV @ 60 s Ac withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature	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 Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Current load capacity (wire) Strand class 5 Max, rated voltage (conductor - ground) 300 V Current load capacity (mire) 1.5 kW @ 60 s Power frequency withstand voltage (wire - sineld) 1.5 kV @ 60 s Power frequency withstand voltage (wire - sineld) 1.5 kV @ 60 s Ac withstand voltage (wire - sineld) 1.5 kV @ 60 s Max operating temperature (mixed)	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 ± 5 % Shore hardness wire 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 90 ± 3 Shore A Ingredient freeness wire 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 90 ± 3 Shore A Ingredient freeness wire insulation 19 Diameter of single wires 0.15 mm Conductor rossection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor vige (wire) 500 V Max. rated voltage (conductor - conductor) 500 V Carrent load capacity min. wire 6.A Electrical resistance line constan	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 90.4 3 Shore A Ingredient freeness wire insulation 90.4 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 Strande copper wire, bare Conductor vire Strande copset wire, bare Conductor vire Strande copset wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Ca withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand v	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 cossection (wire) 0.34 nm² Material conductor vire Stranded copper wire, bare Conductor toge (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) 1,5 kV @ 60 s 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 Max. operature (static) -40 °C Ac withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operature max. (dynamic) 80 °C	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 rosssection (wire) 0,34 mm² Material conductor wire Strande 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 miwire 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 (if. (vgmaric)) 80 °C Operating temperature max	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 cosssection (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 - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire · wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire · 1,5 kV @ 60 s Ac withstand voltage (wire · 1,5 kV @ 60 s Min. operating temperature (fixed) 40 °C Max. coperating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 60 °C Operating temperature (fixed)	Material wire insulation	PVC
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 rorsssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor vire Strande conductor Courter Load capacity (standard) to DIN VDE 0298-4 Current load capacity (win. wire 6 A <t< td=""><td>Amount wires</td><td>3</td></t<>	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 vire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wink wire 6 A Electrical resistance line constant wire 57 Q/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) <td>Outer diameter insulation</td> <td>1,4 mm</td>	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 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare 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 - lack wire) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (mixe) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature mix. (dynamic) 80 °C Flame resistance Good, application-related testing <t< td=""><td>Outer diameter tolerance core insulation</td><td>±5%</td></t<>	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 (standard)to DIN VDE 0298-4Current 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 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 °COperating temperature max. (dynamic)50 °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 testing<	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 - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Carrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 02 0°C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Max. operating temperature (static) -40 °C <	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 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 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature (min. (dynamic))-5 °COperating temperature (min. (dynamic))80 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameter	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 (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 - jacket) 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 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 Gasoline 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 - 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 God, 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 (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 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 - jacket) 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 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 resistanceGood, 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 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 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 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 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	Current load capacity (standard)	to DIN VDE 0298-4
AC 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 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 resistanceI0 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 resistanceI0 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: 2024-05-04

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