

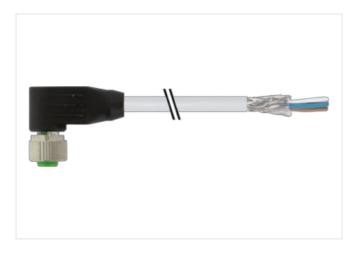
M12 female 90° A-cod. with cable shielded

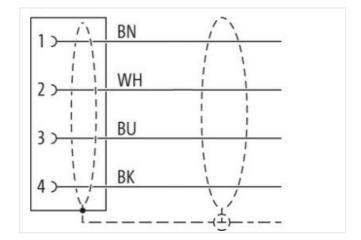
PVC 4x0.34 shielded gy 6m

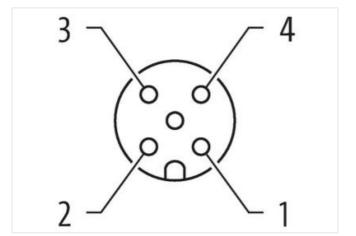
Female 90° M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

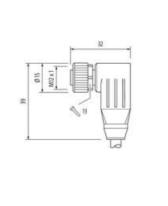
Link to Product

Illustration









Product may differ from Image



0,6 Nm

Cable length

Side 1

6 m

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: 2024-05-19

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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	4048879812153
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Derating voltage DC max.	60 V
Current operating per contact max.	4 A
Installation Connection	
	M101
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
ocking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Nounting 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.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
vire arrangement	brown, black, blue, white
Cable identification	330

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Amount stranding 1 Stranding tackor min. 74 mm Stranding factor max. 74 mm Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (type) Expert and the type of type of the type of t	Jacket Color	gray
Stranding factor max. 74 mm Stranding factor max. 74 mm Cable shielding (coverage) 65 % Banding Fleece, Foil wire arrangement brow, black, ble, white Cable shielding (coverage) 65 % Banding Fleece, Foil wire arrangement brow, black, ble, white Cable weigh 53.9 g/m Material jackat PVC Shore harchese jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer diameter (jacket) 5.9 mm Tolerance outer durinet (sheath) 5.5 % Material ixie insulation FVC Amount wires 4 Outer diameter (insulation 1.4 mm Outer diameter insulation 1.5 % Shore A Strone A Ingredient freeness wire insulation 1.5 Shore A Ingredient freeness wire insulation 1.6 Shore A Ingredient freeness wire insulation 1.6 Shore A Ingredient freeness wire insulation 1.5 N Catter diameter discle (wire wire and coper) 0.0 Kmm Conductor type (w	Amount stranding	1
Stranding factor max. 74 mm Cabbe shielding (type) copper braid, timed Cabbe shielding (coverage) 85 % Banding Fleece, Foll wire arrangement brown, black, blee, white Cabbe weight 53 g g/m Material jacket PVC Shore hardness jackel 85 Shore A Freedom from ingredients (jacket) 5,9 mm Tolerance outer diameter (jacket) 5,9 mm Tolerance outer diameter (jacket) 5,9 mm Tolerance outer diameter (jacket) 5,9 mm Outer diameter (jacket) 5,9 mm Tolerance outer diameter (jacket) 5,9 mm Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 16 ad-free, cadmum-free, CFC-free Amount stands (wie) 42 Diameter of single wires 0,1 mm Conductor romese wire insulation 16 ad-free, cadmum-free, CFC-free Amount stands (wie) 42 Diameter of single wires 0,1 mm Conductor type (wire) 0.34 mm ² Material conductor vire Strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conducto	Stranding	4 wires twisted
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weight 53,9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) 1,5 % Material invitation PVC Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Conductor or soccescient insulation 1,4 mm Outer diameter bierance core insulation 1,4 mm Conductor or soccescient insulation 1,4 mm Outer diameter bierance core insulation 1,4 mm Outer diameter bierance core insulation 1,4 mm Outer diameter bierance core insulation<	Stranding factor min.	74 mm
Cable shielding (coverage)85 %BandingFleece, Follwire arrangementbrown, black, blue, whileCable weigth53,9 g/mMaterial jacketPVCShore hardness jacket85 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOutor-diameter (jacket)5.9 mmTolerance outer diameter (sheath)5.9 %Material wire insulationPVCAmount wires4Outor-diameter (insulation1.4 mmOuter diameter insulation1.5 %Shore hardness wire insulation85 Shore AIngredient freeness wire insulation1.4 mmCanductor crosssection (wire)0.34 mm³Material orbitor by (wire)42Diameter of single wires0,1 mmCanductor vireStrandel copper wire, bareCanductor vire <t< td=""><td>Stranding factor max.</td><td>74 mm</td></t<>	Stranding factor max.	74 mm
Banding Fleece, Foil wire arrangement brown, black, blue, while Cable weight 53,9 g/m Material jackt PVC Shore hardness jackat 85 Shore A Freedom from ingredients (jackat) lead-free, cadmium-free, CFC-free Outer-diameter (jackat) 15 % Material jackt PVC Amount wires 4 Outer diameter (jackat) 1.5 % Material wire insulation PVC Amount wires 4 Outer diameter tolerance core insulation 1.4 mm Outer diameter tolerance core insulation 1.5 % Shore hardness wire insulation 1.5 % Constructor crossection (wire) 0.24 mm² Dameter of single wires 0.1 mm Conductor crossection (wire) 0.24 mm² 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 4.8 A Electrical resistance line constant wire 57 D/km @ 0.2 °C <td>Cable shielding (type)</td> <td>copper braid, tinned</td>	Cable shielding (type)	copper braid, tinned
wire arrangement brown, black, blue, white Cable weight 53,9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) 5,5 % Material wire insulation PVC Amount Wries 4 Outer diameter (lacket) 5,5 % Shore hardness wire insulation 1,4 mm Outer diameter tolerance core insulation 4,5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor trops existion 50 V Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Cukm @ 00 s Ac withstan	Cable shielding (coverage)	85 %
Cable weight 53,9 g/m Material jacket PVC Shore hardnass jacket 85 Shore A Freedom from ingredients (jacket) 18ad-free, cadmium-free, CFC-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 5.9 mm Outer diameter insulation PVC Amount wires 4 Outer diameter forsulation 1.4 mm Outer diameter insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation 84 Tree, cadmium-free, CFC-free Armount strands (wire) 0.1 mm Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor vire (wire) Strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - orductor) 500 V Max. rated voltage (conductor - ground) 300 V <td>Banding</td> <td>Fleece, Foil</td>	Banding	Fleece, Foil
Material jacket PVC Shore hardness jacket 85 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 Wres 4 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1.4 mm Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor crossection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor vige (orductor - 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 (standard) to DIN VDE 0	wire arrangement	brown, black, blue, white
Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (jacket) ± 5 % Material wire insulation PVC Amount Wires 4 Outer diameter (sheath) ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor rossesction (wire) 0,34 mm ² Material conductor - conductor) 500 V 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 4.8 A Electrical resistance line constant wire 57 Ωkm @ 20 °C Act withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature	Cable weigth	53,9 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-cliameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wile insulation PVC Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor crossection (wire) 0.34 mm² Material wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor orssection (wire) 0.34 mm² Material 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) 1,5 kV @ 60 s Power frequency withstand voltage (wire - site) 1,5 kV @ 60 s Ac withstand voltage (wire - shield) 1,5 kV @ 60 s Min. op	Material jacket	PVC
Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor vire Stranded copper wire, bare Conductor vire (wire) 0.34 mm² Material conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current toad capacity (int, wire 4.8 A Electrical resistance line constant wire 57 Okm @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire) 1,5 kV @ 60 s Max. operating temperature (fixed) 30 °C Operating temperature (fixed) 30 °C Operating temperature (fixed) 1,5 kV @ 60 s	Shore hardness jacket	85 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1.4 nm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation tead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0.24 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - oround) 300 V Current load capacity (standard) to IN VDE 0298-4 Current load capacity (standard) to IN VE @ 60 s Power frequency wi	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Material wire insulation PVC Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation ± 5 % Shore hardness wire insulation BS Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4	Outer-diameter (jacket)	5,9 mm
Amount wires 4 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, cadmium-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 rops section (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor rops (wire) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity min. wire 4.8 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 Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60322-2 · 2 UL 1581 §	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, cadmium-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 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) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (static)	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Arnount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 win: wire 4,8 A Electrical resistance line constant wire 57 Ω/m @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance <t< td=""><td>Amount wires</td><td>4</td></t<>	Amount wires	4
Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 wine 4,8 A Electrical resistance line constant wire 57 Q/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - index of constant wire) 1,5 kV @ 60 s AC withstand voltage (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 min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Outer diameter insulation	1,4 mm
Ingredient freeness wire insulation lead-free, cadmium-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 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) 1,5 kV @ 60 s Power frequency withstand voltage (wire - injected to 90 °C AC withstand voltage (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) .15 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (ixed) 80 °C Operating temperature (ixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance	Outer diameter tolerance core insulation	±5%
Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Max. 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. wire4,8 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 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature (static)-5 °COperating temperature (static)-5 °COperating temperature min. (dynamic)5 °COperating temperature max. (dynamic)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, applicati	Shore hardness wire insulation	85 Shore A
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 4,8 A Electrical resistance line constant wire 57 Q/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Qperating temperature (min. (dynamic)) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free
Conductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Max. 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. wire4,8 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 (fixed)80 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature min. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing	Amount strands (wire)	42
Conductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Max. 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. wire4,8 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 (fixed)80 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature min. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Max. 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. wire4.8 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)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistance <t< td=""><td></td><td>0,34 mm²</td></t<>		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 4,8 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 AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing	Material conductor wire	Stranded copper wire, bare
Max. rated voltage (conductor - ground)300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 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)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing	Conductor type (wire)	strand class 6
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 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)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing	Max. rated voltage (conductor - conductor)	500 V
Current load capacity min. wire4,8 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)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing	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) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing	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 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,5 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404	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)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Min. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing		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 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404	Max. operating temperature (fixed)	0° 08
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing 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		UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404	chemical resistance	Good, application-related testing
	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
	Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic) 15 x Outer diameter		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: 2024-05-19

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