

M12 female 90° A-cod. with cable LED

PVC 4x0.34 gy UL/CSA 15m

Female 90° M12, 4-pole 3× LED (PNP)

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

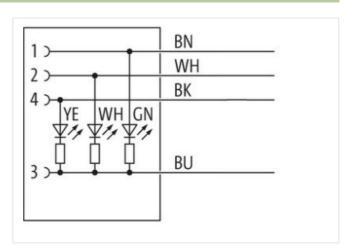
The resistance to aggressive media should be individually tested for your application. Further details on request.

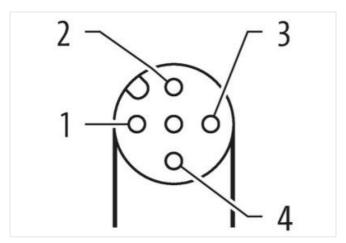
Further cable lengths on request.

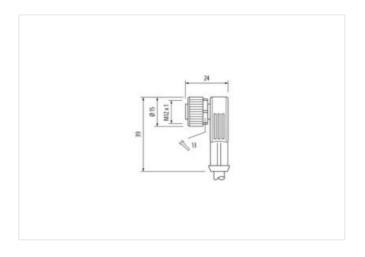
Link to Product

Illustration









Product may differ from Image











Cable length

15 m

Side 1

Tightening torque

0,6 Nm

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: 2024-06-02



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
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	4048879203159
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	70
	and an inchita trailiant
Status indication LED	green, white, yellow
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	
	inserted, screwed
Pollution Degree	inserted, screwed 3
<u> </u>	·
Pollution Degree	3
Pollution Degree Rated surge voltage	3
Pollution Degree Rated surge voltage Material group (IEC 60664-1)	3
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data	3 0,8 kV I
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking	3 0,8 kV I Nickeled
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting	3 0,8 kV I Nickeled nickel plated
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material	3 0,8 kV I Nickeled nickel plated Zinc die-casting
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection	3 0,8 kV I Nickeled nickel plated Zinc die-casting
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min.	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality
Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C

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: 2024-06-02



stay connected

installation Cable wire arrangement brown, black, blue, while Cable Growing Cable Cable Weight Cable Cable Weight	Conformity	
wire arrangement brown, black, blue, white 2able Interintication 214 2able Type 1 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted 4 wires twisted 9 Stable Weight 40,7 gm Material jacket PVC Foredom from ingredients (jacket) lead free, cadmium-free, CFC-free, silicone-free Puber-diameter (jacket) 5 mm Tolkerance outer fainweler (sheath) 4.5 % Material wire insulation PVC Amount wires 4 Auterial wire insulation 1.5 % Duter diameter follerance core insulation 1.5 mm Duter diameter follerance swire insulation 1.5 mm Duter diameter follerance core insulation 1.5 mm Duter diameter follerance swire insulation 1.5 mm Duter diameter follerance wire insulation 1.5 mm Duter diameter follerance wire insulation 1.5 mm Duter diameter of single wires 0.15 mm Donductor	Product standard	DIN EN 61076-2-101 (M12)
Cable Identification 214 Cable Type 1 Lacket Color gray Type of Certificate cUPbus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 40,7 g/m Makerial jacket PVC Shore hardness jacket 85 ± S Shore A Freedom from ingredients (jacket) 5 m Deter-diameter (jacket) 5 m Object-diameter (jacket) 5 m Deter-diameter (jacket) 5 m Deter-diameter (jacket) 5 m Deter-diameter (jacket) 5 m Duter-diameter (jacket) 5 m Duter-diameter (jacket) 2 m Duter diameter (jacket) 45 ± 5 Shore D Wateri	Installation Cable	
Cable Type 1 Jacket Color gray Jacket Color gray Wheel Color Color URus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Zable weight 40,7 g/m Material jacket PVC Store hardness jacket 85 ± 5 Shore A Freadom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Uoler-diameter (jacket) 5 mm Tolorance outer diameter (sheath) 4 5 % Valetrial wire insulation PVC Material properties wire insulation 1,25 mm Duter diameter (sheath) 4 5 % Store Parkness wire insulation 1,25 mm Material properties wire insulation 45 £ 5 Shore D Material properties wire insulation 45 £ 5 Shore D Material properties wire insulation 45 £ 5 Shore D Material properties wire insulation 45 £ 5 Shore D Material properties wire insulation 45 £ 5 Shore D Material properties wire insulation 45 £ 5 Shore D<	wire arrangement	brown, black, blue, white
Section Gray Gray	Cable identification	
Cybe of Certificate	Cable Type	1
Amount stranding 1 Stranding 4 wires twisted 4 4 wires twisted 4 40.7 g/m Waterial jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from Ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Duter-diameter (jacket) 5 mm Store hardness gover 5 mm Store hardness jacket 85 ± 5 Shore A Freedom from Ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Duter-diameter (jacket) 5 mm Store hardness wire insulation PVC Amount wires 4 Duter diameter insulation 1,25 mm Duter diameter insulation 1,25 mm Duter diameter insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Donductor orssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded capper wire, bare Conductor type (wire) 10 DIN VDE 0298-4 Current load capacity (staindwire) 10 DIN VDE 0298-4 Current load capacity (staindwire) 2 kW @ 60 s Current foad capacity (staindwire) 2 kW @ 60 s Current foad capacity withstand voltage (wire - wire) 2 kW @ 60 s Currenting temperature (ixed) 80 °C Cuperating temperature min. (dynamic) - 5 °C Diperating te	Jacket Color	gray
Stranding 4 wires twisted wire arrangement brown, black, blue, white Zable weight 40,7 g/m Valenting jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Duter diameter (jacket) 5 mm Tolerance outer diameter (seeath) ± 5 % Material wire insulation PVC Material wire insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation ± 5 % bror D Material properties wire insulation good machinability agreement freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Strand class 5 Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 2098-4 Current load capacity winh. wire 4,8 A	Type of Certificate	cURus
wire arrangement brown, black, blue, white Zable weigith 40,7 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Duter-diameter (jacket) 5 mm Toferance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 1,25 mm Duter diameter toferance core insulation 45 ± 5 Shore D Waterial properties wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability grapedient 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) Strand class 5 Nominal voltage AC max. 300 V Current load capacity standard to DIN VDE 0298-4 Current load capacity wire, wire	Amount stranding	1
Cable weight 40,7 g/m Material jacket PVC Shore hardness jacket! 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Duter claimeter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 1,25 mm Under diameter insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability 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) Strand class 5 Vominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard)	Stranding	4 wires twisted
Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Duter-diameter (jacket) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 1,25 mm Duter diameter oblerance core insulation ± 5 % Shore hardness wire insulation 44 Duter diameter blearence core insulation ± 5 % Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 19 00 machinability 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) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Durrent load capacity min. wire 4,8 A Electrical resistance line constant wir	wire arrangement	brown, black, blue, white
Shore hardness jacket	Cable weigth	40,7 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Duter-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 1,25 mm Duter diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation good machinability 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) Strand class 5 Vominal voltage AC max. 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 4,8 A Electrical resistance line constant wire 4,8 A @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - 2 kV @ 60 s Power frequency withstand voltage (wire - 30 °C Max. operating temperature (static) -30 °C Max. operating temperature (static) -5 °C Operating temperature (inim. (dynamic) -5 °C Operating temperature (inim. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Direction resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Material jacket	PVC
Duter-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Manount wires 4 Duter diameter insulation 1,25 mm Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness good good machinability Ingredient freeness good good good good good good good go	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability 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) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Operating temperature (static) -30 °C Max. operating temperature (mixed) 80 °C Operating temp	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation PVC Amount wires 4 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor of single wires 0,15 mm Diameter of single wires 0,15 mm Conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 4,8 A Electrical resistance line constant wire 57 QKm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Coveer frequency withstand voltage (wire - acket) 2 kV @ 60 s Win. operating temperature (fixed) 30 °C Acket)	Outer-diameter (jacket)	5 mm
Amount wires 4 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability 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 Corrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 2 kW @ 60 s Cover frequency withstand voltage (wire - 2 kW @ 60 s Cover frequency withstand voltage (wire - 2 kW @ 60 s Cover frequency withstand voltage (wire - 30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Coverating temperature max. (dynamic) -5 °C Cove	Tolerance outer diameter (sheath)	± 5 %
Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation good machinability 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 capse vire, bare Conductor type (wire) Stranded cass 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 2, kV @ 60 s Clerical resistance line constant wire 57 O/km @ 20 °C AC withstand voltage (wire - wire) 2, kV @ 60 s Power frequency withstand voltage (wire) 2, kV @ 60 s Win. operating temperature (static) 30 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 5- °C Operating temperature max. (dynamic) 80 °C Clame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Sacoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter	Material wire insulation	PVC
Duter diameter tolerance core insulation	Amount wires	4
Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability 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) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Cilicatical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - 2 kV @ 60 s Win. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -5 °C Diperating temperature max. (dynamic) -5 °C Charter (sistance) UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Schemical resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter	Outer diameter insulation	1,25 mm
Material properties wire insulation good machinability 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) Strand class 5 Nominal voltage AC max. 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) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 2 kV @ 60 s Win. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Cperating temperature max. (dynamic) -5 °C Cperating temperature max. (dynamic) 80 °C -shemical resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter	Outer diameter tolerance core insulation	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) Diameter of single wires O,15 mm Conductor crosssection (wire) O,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Q/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) Win. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 5° C Operating temperature max. (dynamic) 80 °C Elame resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Shore hardness wire insulation	
Amount strands (wire) Diameter of single wires O,15 mm Conductor crosssection (wire) O,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 4,8 A Electrical resistance line constant wire AC withstand voltage (wire - wire) Cower frequency withstand voltage (wire - acket) AC worth greature (static) AC worth greature (fixed) AC worth greature min. (dynamic) Coperating temperature min. (dynamic) Coperating temperature max. (dy		,
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 Nominal voltage AC max. 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) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) Win. operating temperature (static) 30 °C Max. operating temperature (fixed) 80 °C Deperating temperature max. (dynamic) 5- °C Deperating temperature max. (dynamic) 6- °C Conductor type (wire) 6- °C	-	
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Cover frequency withstand voltage (wire - acket) Win. operating temperature (static) 30 °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 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gli resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	, ,	
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 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 \(\Omega / \text{km} \equiv 20 \circ C AC withstand voltage (wire - wire) 2 kV \(\equiv 60 \circ s \) Cover frequency withstand voltage (wire - acket) Min. operating temperature (static) -30 \circ C Max. operating temperature (fixed) 80 \circ C Deparating temperature min. (dynamic) -5 \circ C Deparating temperature max. (dynamic) 80 \circ C Flame resistance UL 1581 \sigma 1100 FT2 IEC 60332-2-2 UL 1581 \sigma 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		· · · · · · · · · · · · · · · · · · ·
Conductor type (wire) Strand class 5 Nominal voltage AC max. 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) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bendring radius (fixed) 5 x Outer diameter	. ,	•
Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Departing temperature min. (dynamic) -5 °C Departing temperature max. (dynamic) 80 °C Elame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gli resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		
Current load capacity (standard) Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 30 °C Max. operating temperature (static) 480 °C Operating temperature min. (dynamic) 5° C Operating temperature max. (dynamic) 80 °C Elame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Good, application-related testing Coll resistance Good, application-related testing Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		
Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 2 kV @ 60 s Win. operating temperature (static) -30 °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 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		
Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 2 kV @ 60 s Win. operating temperature (static) -30 °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 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gli resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		
AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 2 kV @ 60 s Win. operating temperature (static) 30 °C Max. operating temperature (fixed) Departing temperature min. (dynamic) 5 °C Departing temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		· · · · · · · · · · · · · · · · · · ·
Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) 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 Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Power frequency withstand voltage (wire -	
Max. operating temperature (fixed) Deperating temperature min. (dynamic) So C Deperating temperature max. (dynamic) So C Deperating temperature max. (dynamic) So 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 Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Min. operating temperature (static)	-30 °C
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Max. operating temperature (fixed)	
Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Operating temperature min. (dynamic)	
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Operating temperature max. (dynamic)	
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter