

M12 female 0° A-cod. with cable shielded

PUR 4x2x0.25 shielded gy 10m

Female straight M12, 8-pole shielded

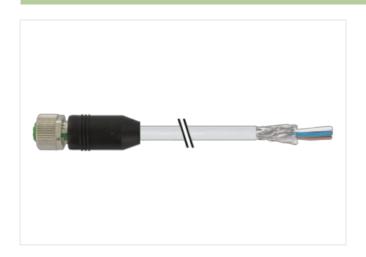
with cable sleeves

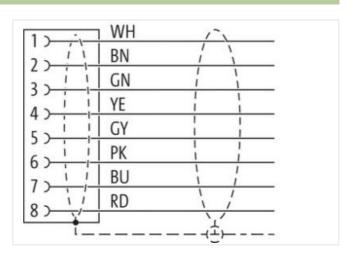
Plastic housings with good resistance against chemicals and oils.

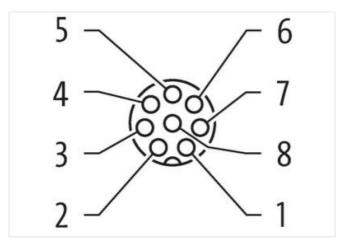
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

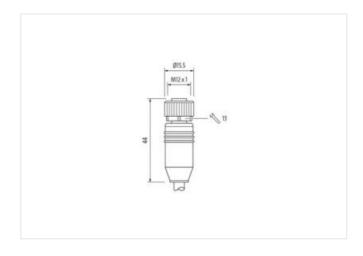
Link to Product

Illustration









Product may differ from Image









Cable length

10 m

Side 1

Tightening torque 0,6 Nm



stay connected

Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Material contact	Copper alloy
Material	PUR
No. of poles	8
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	4048879195836
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	2 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 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.
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)
i roduct stanuard	DIT ET 01010-2-101 (NI12)
Installation Cable	



Cable identification 298 Jacked Color gray Amount stranding 4 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 4 Stranded joints twisted Cable shelding (type) ooper brack, finned Cable shelding (type) 68% Banding Fleece, Foll wire arrangement (brown, while, (red, bue), (pink, gray), (yellow, green) Cable weight 74,8 gm Material jacket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadminum-free, CFC-free, halogen-free Outer diameter (jacket) 7,1 mm Tolerance user (jacket) 5 % Material wire insulation PP Amount wires 8 North fartness wire insulation 1,2 mm Outer diameter (sheath) 5 5 % Shore hardness wire insulation 1,2 mm Outer diameter insulation 1,2 mm Outer diameter strands (wire) 2.5 % Diameter of single wires	wire arrangement	(brown, white), (red, blue), (pink, gray), (yellow, green)
Amount stranding 4 Stranding (ype 2) 1 Stranding (type 2) 4 Stranding (type 2) 5 Stranding (type 2) 5 Stranding (type 2) 6 Stranding (type 2) 7 Stranding (t	Cable identification	286
Amount stranding 4 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type) copper braid, tinned Cabbie shleding (type) copper shid, the copper shid, th	Jacket Color	gray
Amount stranding (type 2) 1 Stranding (type 2) 4 stranded joints twisted Cable shielding (type) coper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foll wire arrangement (brown, white), (red, blue), (pink, gray), (yellow, green) Cable weight 74.8 g/m Material jacket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter (sheath) ± 5 % Material wire insulation 1,2 mm Outer diameter (sheath) ± 5 % Outer diameter (sheath) ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation 5 £ 5 Shore D Ingredient freeness wire insulation 6 £ 5 Shore D Ingredient freeness wire insulation 5 £ 5 Shore D Ingredient freeness wire insulation 6 £ 5 Shore D Ingredient freeness	Amount stranding	4
Stranding (type 2) 4 Stranded joints twisted Cable shielding (type) copper braid, timed Cable shielding (coverage) 85 % Banding Fleece, Foil wire arrangement (brown, white), (red, blue), (pink, gray), (yellow, green) Cable weight 74.8 g/m Material jacket TPU Shore hardness jacket TFU Freedom from ingredients (jacket) 85 ± 5 Shore A Freedom from ingredients (jacket) 7.1 mm Outer-diameter (jacket) 7.1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter tolerance core insulation 1.2 mm Outer diameter tolerance core insulation 65 ± 5 Shore D Ingredient treeness wire insulation 65 ± 5 Shore D Ingredient treeness wire insulation 65 ± 5 Shore D Ingredient treeness wire insulation 65 ± 5 Shore D Ingredient treeness wire insulation 16 ± 5 Shore D Ingredient treeness wire insulation 10 ± 5 M Onductor type (wire) 3 ± 2 Shore D	Stranding	2 wires twisted
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Bandring Fleece, Foil wire arrangement (brown, white), (red, blue), (prink, gray), (yellow, green) Cable weight 74,8 g/m Material Jacket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7,1 mm Toferance outer diameter (sheath) ± 5 % Material wire insulation PP Arount wires 8 Cuter diameter insulation 1,2 mm Cuter diameter outer occore insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient reseass wire insulation 63 ± 5 Shore D Ingredient reseass wire insulation 63 ± 5 Shore D Ingredient reseass wire insulation 63 ± 5 Shore D Ingredient reseass wire insulation 65 ± 5 Shore D Ingredient reseass wire insulation 65 ± 5 Shore D Ingredient reseass wire insulation 10 mm Conductor or Sasses wire insulation	Amount stranding (type 2)	1
Cable shlelding (coverage) 85 % Banding Fleece, Foll wire arrangement (crow., white), (red, blue), (pink, gray), (yellow, green) Cable weigth 74.8 g/m Material jacket TPU Shore hardness jacket 85 ± 5 shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7,1 mm Toferance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter tolerance core insulation ± 5 % Outer diameter tolerance core insulation 5 ± 5 shore D Ingredient reeness wire insulation 65 ± 5 shore D Ingredient reeness wire insulation 65 ± 5 shore D Dameter of single wires 0,1 mm Conductor crossection (wire) 32 Diameter of single wires 0,1 mm Conductor type (wire) stranded copper wire, bare Material conductor wire strand class 6 Conductor type (wire) 300 V Current load capacity (inin, wire 3 Cur	Stranding (type 2)	4 Stranded joints twisted
Banding Fleece, Foll (brown, white), (red. blue), (pink, gray), (yellow, green) (able weigh 74.8 g/m 74.8 g/m (brown, white), (red. blue), (pink, gray), (yellow, green) (able weigh 74.8 g/m (able weigh 74.7 mm (able weigh (able weigh 74.7 mm (able weigh 74.7 mm (able weigh 74	Cable shielding (type)	copper braid, tinned
wire arrangement (brown, white), (red, blue), (pink, gray), (yellow, green) Cable weight 74,8 g/m Material jacket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7.1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation FP Amount wires 8 Outer diameter fusitation 1,2 mm Outer diameter tolerance core insulation 5 % Shore bardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 Shore D Ingredient freeness wire insulation 22 Ingredient freeness wire insulation 10 1 mm	Cable shielding (coverage)	85 %
Cable weight 74,8 g/m Material jacket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1,2 mm Outer diameter loterance or insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 7 9 0/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @	Banding	Fleece, Foil
Material jacket TPU Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter lolerance core insulation 1,2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 62 ± 5 Shore D Ingredient freeness wire insulation 18ad Free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 D/km 20 °C AC withstand voltage (w	wire arrangement	(brown, white), (red, blue), (pink, gray), (yellow, green)
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1,2 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 82 Ondrector of single wires 0,1 mm Conductor of single wires 0,1 mm Conductor of virey (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity fini wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield)	Cable weigth	74,8 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1,2 mm Outer diameter core insulation 5 ± 5 Shore D Bince hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor of single wires 0,1 mm Conductor (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor (wire) 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 3 A Electrical resistance line constant wire 79 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	Material jacket	TPU
Outer-diameter (jacket) 7,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter tolerance core insulation 1,2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor vire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper 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 Current load capacity (wire - wire) 1,5 kV @ 60 s AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - sheld) 1,5 kV @ 60 s AC withstand voltage (wire - sheld) 1,5 kV @ 60 s Min. operating temperature (static) 4	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Material wire insulation PP Amount wires 8 Outer diameter insulation 1,2 mm Outer diameter insulation 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature max. (dynamic) -5 °C Operatin		7,1 mm
Amount wires 8 Outer diameter insulation 1,2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Qxm @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -90 °C Operating temperature min. (dynamic) -5 °C	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,2 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature (skied) 90 °C	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Q/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 (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing	Amount wires	8
Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 min. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1.5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance EC 6032-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Din Net Communication of the capacity of the communication of the commun	Outer diameter insulation	1,2 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - alice) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (ifixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Charming temperature max. (dynamic) 90 °C Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) Diameter of single wires O,1 mm Conductor crosssection (wire) O,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) 90 °C Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Shore hardness wire insulation	65 ± 5 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance [EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 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 (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Amount strands (wire)	32
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 \(\Omega \text{lkm} \) @ 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 Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 \(\) 1090 UL 1581 \(\) 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - inches in the constant wire) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Conductor type (wire)	strand class 6
Current load capacity min. wire 3 A Electrical resistance line constant wire 79 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 Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Current load capacity min. wire	3 A
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Electrical resistance line constant wire	79 Ω/km @ 20 °C
Jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Oi C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature min. (dynamic	. ,	1,5 kV @ 60 s
Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Min. operating temperature (static)	
Operating temperature max. (dynamic) 90 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Max. operating temperature (fixed)	90 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) × Outer diameter	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 Bending radius (installation) x Outer diameter	Operating temperature max. (dynamic)	90 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed) 7,5 x Outer diameter	Bending radius (installation)	x Outer diameter
	Bending radius (fixed)	7,5 x Outer diameter

Bending radius (dynamic)

15 x Outer diameter