

M12 male 90° / M12 female 90° A-cod. shielded

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 3m

Cube67
Male 90° – female 90°
M12 – M12, 6-pole
A-coded
shielded
Hybrid cable

Plastic housings with good resistance against chemicals and oils.

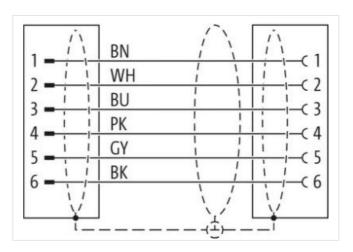
The resistance to aggressive media should be individually tested for your application. Further details on request.

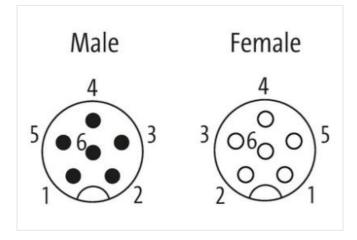
Further cable lengths on request.

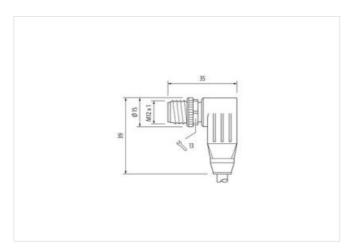
Link to Product

Illustration



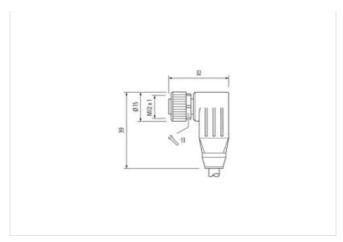








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Product may differ from Image





Cable length	3 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	6
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	6
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879140126



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Packaging unit	1	
Electrical data Supply		
Operating voltage AC max.	30 V	
Operating voltage DC max.	30 V	
Operating voltage AC (UL-listed)	30 V	
Operating voltage DC (UL-listed)	30 V	
Current operating per contact max.	4 A	
Diagnostics		
Status indication LED	no	
Device protection Electrical		
Degree of protection (EN IEC 60529)	IP65, IP67	
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	0,8 kV	
Material group (IEC 60664-1)		
Mechanical data		
Contour for corrugated hose	without	
Mechanical data Material data		
Coating locking	Nickeled	
Material gasket	FKM	
Locking material	Zinc die-casting	
Mechanical data Mounting data		
Mounting method	inserted, screwed, Shaking protection	
	inserted, sciewed, criaking protection	
Environmental characteristics Climatic		
Operating temperature min.	-25 °C	
Operating temperature max. Additional condition temperature range	85 °C depending on cable quality	
	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.	
Installation Cable		
STOOW style jacket	Hybrid, Signal, Data	
Cable identification	802	
Jacket Color	green	
Type of Certificate	cURus	
Amount stranding	1	
Stranding (type 2)	2 wires twisted	
Amount stranding (type 2) Stranding (type 2)	1 A wires with Stranding combination with 3 Filler twisted	
Stranding (type 2) Cable shielding (type)	4 wires with Stranding combination with 3 Filler twisted copper braid, tinned	
-	80 %	
Cable shielding (coverage)		
Banding	Fleece	
Filler	yes (grov piak) blue white brown block	
wire arrangement Traversing distance (C-track)	(gray, pink), blue, white, brown, black 10 m @ 25 °C	
Cable weigth	77 g/m	
Material jacket	PUR	
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free	
Outer-diameter (jacket)	6,6 mm	
Tolerance outer diameter (sheath)	±5%	
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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: 2024-05-05



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Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Ingredient fenes wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 64 Diameter of single wiees 0,1 mm Conductor or Sessocion (wive) 0,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material conductor wire insulation (Data) 1,1 mm Toterance outer diameter wire insulation (Data) 1,1 mm Toterance outer diameter wire insulation (Data) 1,1 mm Ingredient freeness wire insulation (Data) 1,1 mm Ingredient freeness wire insulation (Data) 22 Amount wires (Data) 22 Diameter of single wires (Data) 0,1 mm Conductor vires (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor vires (Data) 25 mm² Wire conductor fype (Data) strand class 6 Loop res	Material wire insulation	PP
Outer diameter tolerance core insulation Ingredient Teeness wire insulation Amount strands (virie) 64 Diameter of single wires 9, 5 mm² Material conductor wire Conductor crosssection (virie) 9, 5 mm² Material conductor wire Stranded copper wire, bare Conductor type (virie) 4, 1 mm Conductor type (virie) 5, 1 mm Conductor vire Stranded copper wire, bare Conductor type (virie) 4, 1 mm Colorator diameter wire insulation (Data) 1,1 mm Colorator outer diameter wire insulation (Data) 2,2 mmount strands wire (Data) 3,2 Diameter of single wires (Data) 4,2 mmount strands wire (Data) 5,2 mm² Material conductor wire (Data) 0,2 mm² Material conductor wire (Data) 0,2 mm² Material conductor vipe (Data) 1,1 mm Conductor crosssection wire (Data) 0,2 mm² Material conductor vipe (Data) 1,2 mm Conductor vipe (Data) 1,2 mm Conductor vipe (Data) 1,3 mm Conductor vipe (Data) 1,4 mm Conductor vipe (Data) 1,5 mm² Material conductor vipe (Data) 1,5 kW @ 60 s 1,5 kW @	Amount wires	4
Ingredient freeness wire insulation Amount strands (wire) 64 Diameter of single wires Conductor pre (lotte) Conductor pre (lotte) Conductor pre (lotte) Stranded copper wire, bare Conductor consecution wire (lotte) Stranded copper wire, bare Conductor consecution wire (lotte) Stranded copper wire, bare Conductor consecution wire (lotte) Stranded copper wire, bare Conductor treated conductor wire (lotte) Stranded copper wire, bare Conductor consecution wire (lotte) Stranded copper wire, bare Conductor consecution wire (lotte) Stranded copper wire, bare Conductor treated conductor wire (lotte) Stranded copper wire, bare Conductor consecution wire (lotte) Stranded copper wire, bare Conductor consecution wire (lotte) Stranded copper wire, bare Conductor consecution wire (lotte) Stranded copper wire, bare Conductor tree (lotte) Coperating tree, consecution wire (lotte) Stranded copper wire, bare Conductor tree, consecution wire (lotte) Stranded copper wire, bare Conductor tree, consecution wire (lotte) Coperating temperature (static) Coperating temperature (static) Coperating temperature (static) Coperating temperature (static)	Outer diameter insulation	1,4 mm
Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor of single wires 0,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1 each-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands wire (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 32 Diameter of single wires (Data) 0,25 mm² Material conductor wire (Data) 32 Wire conductor type (Data) 5tranded copper wire, bare Wire conductor type (Data) 5tranded copper wire, bare Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity min. wire 6,3 A Current load capacity min. wire 6,3 A Current load capacity min. w	Outer diameter tolerance core insulation	±5%
Diameter of single wires 0,1 mm Conductor crosssection (vire) 0,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (virie) strand dass 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount wires (Data) 32 Diameter of single wires (Data) 32 Malerial conductor wire (Data) 525 mm² Malerial conductor wire (Data) 525 mm² Wire conductor type (Data) 51 mm² Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity min. wire (Data) 32 A Electrical resistance coating wire (Data) 32 A	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0.5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1.1 mm Toferance outer diameter wire insulation (Data) 1.5 % Ingredient freeness wire insulation (Data) 1.6 % Ingredient freeness wire insulation (Data) 2.8 % Amount wires (Data) 2.2 Amount strands wire (Data) 3.2 Diameter of single wires (Data) 0.1 mm Conductor crosssection wire (Data) 0.25 mm² Wire conductor vire (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Use on the strand of the	Amount strands (wire)	64
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1.6 % Ingredient freeness wire insulation (Data) lead free, cadmium free, CFC-free, halogen-free, silicone-free Amount strands wire (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Loop resistance 2000 MC x km Nominal voltage AC max. 300 V Current load capacity frim, wire 6,3 A Current load capacity min. Wire (Data) 32 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance line constant wire 3000 pF/km @ 20 °C AC withstand voltage (wire - shield) 1,5 kV @ 60 s Electrical capacity line constant (vire - wire) 40 °C Power frequenc	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 25 % Ingredient freeness wire insulation (Data) Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount writers (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 32 mm Material conductor wire (Data) Strand class 6 Loop resistance 2000 M/Ω × km Nominal voltage AC max. 300 V Current load capacity standard) to DIN VDE 0298-4 Current load capacity win. Wire (Data) 32 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating tempe	Conductor crosssection (wire)	0,5 mm ²
Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ± 5 % Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount strands wire (Data) 0.2 mm Diameter of single wires (Data) 0.2 mm² Conductor crosssection wire (Data) 0.25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor vire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance fine constant wire 39 Ω/km @ 20 °C Electrical resistance found constant wire 1,5 kV @ 60 s Electrical resistance found wire (Data) 0,55 mH/km Electrical resistance found wire wire) 1,5 kV @ 60 s Electrical repartity line constant (wire - wire) 600 pH/km Power fre	Material conductor wire	Stranded copper wire, bare
Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,5 mm Ingredient freeness wire insulation (Data) 2 Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,2 mm² Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Loop resistance 2000 MC x km Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 0/km @ 20 °C Electrical resistance coating wire (Data) 7,5 kV @ 60 s Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,2 kV @ 60 s Max. operating temperature (static) 50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic)	Conductor type (wire)	strand class 6
Tolerance outer diameter wire insulation (data) ± 5 % Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor orosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor (ppe (Data) strand class 6 Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. wire (Data) 3,2 A Current load capacity min. Wire (Data) 79 Ω/km @ 20 °C Electrical resistance coating wire (Data) 7,5 kV @ 60 s Electrical resistance orating wire (Data) 7,5 kV @ 60 s Electrical resistance voltage (wire - wire) 1,5 kV @ 60 s Electrical resistance voltage (wire - wire) 4,2 kV @ 60 s Min. operating temperature (static) 5,0 °C Max. operating temperature (static) 5,0 °C Max. operating temperature (static) 5,0 °C Max. operating temperature (static) 5,0 °C Operating temperature max. (dynamic) 70 °C Flame resistance EIC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Electrical capacity (dynamic) 5 x Outer diameter	Material wire insulation (Data)	PP
Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. wire (Data) 3,2 A Electrical resistance constant wire 39 Ω/km @ 20 °C Electrical resistance constant wire 39 Ω/km @ 20 °C Electrical resistance ocating wire (Data) 79 Ω/km @ 20 °C Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - sheld) 1,2 kV @ 60 s Min. operating temperature (static) 50 °C Max. operating temperature (static) 50 °C Operating temperature min. (dynamic) 70 °C Flame resistance EC 6004, application-related testing Gasoline resistance DIN EX 6081 1-404 [Good, application-related testing Gording radius (fixed) 5 Min. @ 25 °C Endeding radius (fixed) 5 Min. @ 25 °C Endeding radius (fixed) 5 Min. @ 25 °C	Outer diameter wire insulation (Data)	1,1 mm
Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0.1 mm Conductor crosssection wire (Data) 0.25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6.3 A Current load capacity min. Wire (Data) 3.2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant 0,65 mH/km Electrical resistance voltage (wire wire) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C	Tolerance outer diameter wire insulation (data)	±5%
Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. wire (Data) 32 A Electrical resistance leo constant wire 39 Ω/km @ 20 °C Electrical resistance ine constant wire 91,5 kV @ 60 s Electric inductivity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - lacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gaodine resistance DiN E0811-404 [Good, application-related testing Gaodine resistance DiN E0811-404 [Good, application-related testing Bending radius (flynamic) 10 x Outer diameter Travel speed (C-track) 5 Min. @ 25 °C	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires (Data) 0.1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant (wire - wire) 63000 pF/km Electric inductivity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (static) -50 °C Max. operating temperature (static) -70 °C Flame resistance IEC 60332-22 [UL 1581 § 1100 FT2 [UL 1581 § 1090	Amount wires (Data)	2
Conductor crosssection wire (Data) 0.25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 °s Electrical resistance coating wire (Data) 1,5 kV @ 60 °s Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 °s AC withstand voltage (wire - shield) 1,2 kV @ 60 °s AC withstand voltage (wire - shield) 1,2 kV @ 60 °s Max. operating temperature (static) -50 °C Max. operating temperature (static) -50 °C Max. operating temperature (min. (dynamic) -30 °C Operating temperature min. (dynamic) -30 °C	Amount strands wire (Data)	32
Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. wire 93 Ω/km @ 20 °C Electrical resistance loading wire (Data) 79 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C Electrical resistand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - in 5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (istatic) 50 °C Max. operating temperature (fixed) 90 °C Operating temperature (in. (dynamic) -30 °C Operating temperature min. (dynamic) -30 °C Flame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 K Outer diameter Bending radius (fixed) 10 × Outer diameter Travel speed (C-track) 5 Min. @ 25 °C	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Dala) strand class 6 Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (stixed) 90 °C Operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Operating temperature max. (dynamic) 70 °C Flame resistance (EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Conductor crosssection wire (Data)	0,25 mm ²
Loop resistance 2000 MΩ × km Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (static) -50 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing <td>Material conductor wire (Data)</td> <td>Stranded copper wire, bare</td>	Material conductor wire (Data)	Stranded copper wire, bare
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C Electrical resistand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - iacket) 1,2 kV @ 60 s Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - iacket) 1,2 kV @ 60 s Min. operating temperature (static) 50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 70 °C Flame resistance 1EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Ending radius (dynamic) 10 x Outer diameter Fravel speed (C-track) 5 Mio. @ 25 °C	Wire conductor type (Data)	strand class 6
Current load capacity (standard) Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (static) 50 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) 70 °C Flame resistance LEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Loop resistance	2000 MΩ × km
Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Nominal voltage AC max.	300 V
Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0.65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (static) -50 °C Operating temperature (fixed) 90 °C Operating temperature max. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Ele G0332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Current load capacity min. wire	6,3 A
Electrical resistance coating wire (Data) 79 \(\text{Dr} \) \(\text{ 0 0 s} \) Electric inductivity line constant 0.65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - jacket) 1.5 kV \(\text{ 0 0 s} \) AC withstand voltage (wire - shield) 1.2 kV \(\text{ 0 0 s} \) Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 \(\) 1100 FT2 UL 1581 \(\) 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Fravel speed (C-track) 5 Mio. \(\text{ 0 2 5 °C} \)	Current load capacity min. Wire (Data)	3,2 A
AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - inches and inch	Electrical resistance coating wire (Data)	79 Ω/km @ 20 °C
Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 1,2 kV @ 60 s Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Tamer esistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) DIN EN 60811-404 Good, application-related testing Bending radius (dynamic) 10 × Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Electric inductivity line constant	0,65 mH/km
AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Electrical capacity line constant (wire - wire)	63000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	AC withstand voltage (wire - shield)	1,2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Min. operating temperature (static)	-50 °C
Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Max. operating temperature (fixed)	90 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Operating temperature min. (dynamic)	-30 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	Oil resistance	DIN EN 60811-404 Good, application-related testing
Travel speed (C-track) 5 Mio. @ 25 °C	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	5 Mio. @ 25 °C
	Torsion stress	± 180 °/m