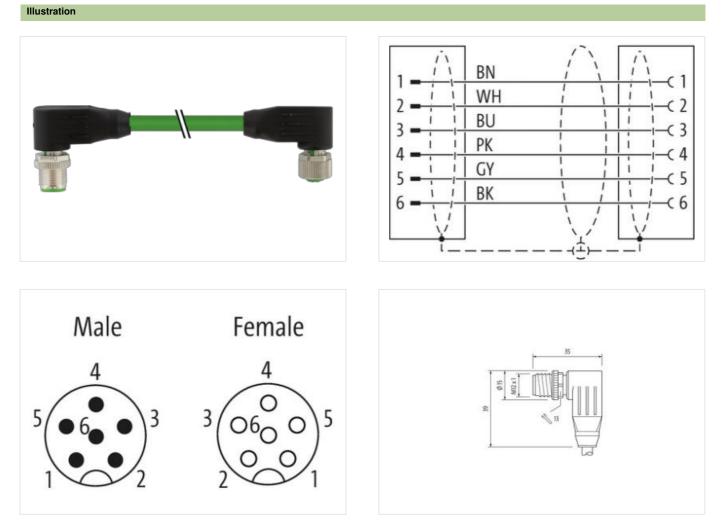


## M12 male 90° / M12 female 90° A-cod. shielded

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 30m

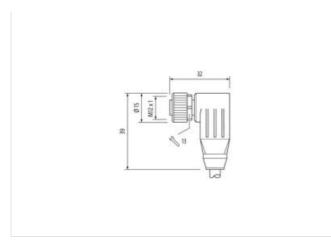
Cube67 Male 90° – female 90° M12 – M12, 6-pole A-coded shielded Hybrid cable Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



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Product may differ from Image



Cable length	30 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	4048879139915

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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) Additional condition protection degree	IP65, IP67
Pollution Degree	inserted, screwed 3
Rated surge voltage	0.8 kV
Material group (IEC 60664-1)	0,8 KV
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
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.
Installation   Cable	
STOOW style jacket	Hybrid, Signal, Data
Cable identification	802
Jacket Color	green
Type of Certificate	cURus
Amount stranding	
Stranding	2 wires twisted
Amount stranding (type 2) Stranding (type 2)	1 4 wires with Stranding combination with 3 Filler twisted
Cable shielding (type)	copper braid, tinned
	80 %
Cable shielding (coverage)	
Banding	Fleece
Filler	yes
wire arrangement	(gray, pink), blue, white, brown, black
Traversing distance (C-track)	10 m @ 25 °C
Cable weigth	77 g/m PUR
Material jacket	
Freedom from ingredients (jacket) Outer-diameter (jacket)	lead-free, CFC-free, halogen-free 6,6 mm
Tolerance outer diameter (sheath)	±5%
ו היהימווטב טענבו טומווובנבו (הוופלנוו)	± 5 70

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Amount wires         4           Outer diameter insulation         1.4 mm           Outer diameter biorance core insulation         1.5 %.           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         64           Dameter of single wires         0.1 mm           Canductor crosssection (wire)         0.5 mm <sup>2</sup> Material conductor wire         Stranded copper vire, bare           Conductor type (wire)         strand class 6           Material wire insulation (Data)         1.1 mm           Tolerance outer diameter wire insulation (Cata)         1.5 %.           Ingredient freeness wire insulation (Data)         1.4 mm           Tolerance outer diameter wire insulation (Data)         1.1 mm           Tolerance outer diameter wire insulation (Data)         2           Amount trike (Data)         2           Amount strands wire (Data)         32           Diameter of single wires (Data)         0.25 mm <sup>2</sup> Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Loop resistance         2000 MG x km           Nominal voltage A C max.         300 V           Current load capacity finin,	Material wire insulation	PP
Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         tead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount Stands (wire)         64           Diameter of single wires         0,1 mm           Conductor grossection (wire)         0,5 mm <sup>2</sup> 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           Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (data)         2           Amount strands wire (Data)         2           Amount strands wire (Data)         32           Diameter of single wires (Data)         0,1 mm           Conductor rype (wire)         strand class 6           Loop resistance         2000 MQ × km           Nominal vortlage AC max.         300 V           Current load capacity mix wire (Data)         15 PN / Ma @ 20 °C           Current load capacity mix wire (Data)         32 A           Electrical resistance         2000 MQ × km           Nominal vortlage AC max.         300 V           Current load capacity mix wire (Data)	Amount wires	4
Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         64           Conductor crosssection (wire)         0.5 mm²           Conductor view         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1, mm           Tolerance outer diameter wire insulation (data)         ± 5%           Ingredient freeness wire insulation (Data)         1, mm           Tolerance outer diameter wire insulation (data)         ± 5%           Ingredient freeness wire insulation (data)         ± 5%           Ingredient freeness wire insulation (data)         ± 2           Amount strands wire (Data)         32           Diameter of single wires (Data)         0.1 mm           Conductor vire (Data)         Strand decoper wire, bare           Wire conductor tyre (Vire)         Strand decoper wire, bare           Vire conductor tyre (Data)         Strand decoper wire, bare           Current load capacity min. wire         5.3 A           Current load capacity min. wire         5.3 A           Current load capacity min. wire         5.3 A           Curent load capacity min. wire         5.4 A <td>Outer diameter insulation</td> <td>1,4 mm</td>	Outer diameter insulation	1,4 mm
Amount strands (wire)       64         Diameter of single wires       0,1 mm         Conductor of sessection (wire)       0,5 mm²         Material conductor wire       Strand class 6         Material conductor wire (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)       1,2 %         Amount wires (Data)       2         Amount wires (Data)       2         Amount wires (Data)       2         Amount wires (Data)       0,1 mm         Conductor or sessection wire (Data)       0,2 mm²         Diameter of single wires (Data)       0,2 mm²         Material conductor wire (Data)       0,2 mm²         Material conductor wire (Data)       0,2 mm²         Material conductor wire (Data)       0,2 mm²         Material voltage AC max.       300 V         Current load capacity min. Wire (Data)       3,2 A         Electrical resistance inconstant wire       3,0 LMm @ 20 °C         Carrent load capacity min. Wire (Data)       3,2 A         Electrical resistance constant (wire - wire)       6,3 A         <	Outer diameter tolerance core insulation	±5%
Diameter of single wires         0,1 mm           Conductor crossection (wire)         0.5 mm³           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Material conductor wire (bata)         PP           Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         2 %           Ingredient freeness wire insulation (Data)         2           Amount strands wire (Data)         2           Amount strands wire (Data)         2           Material conductor wire (Data)         0,25 mm³           Material conductor wire (Data)         0,1 mm           Conductor type (Data)         0,1 mm           Conductor wire (Data)         0,25 mm³           Material conductor wire (Data)         0,25 mm³           Conductor wire (Data)         0,25 mm³           C	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)         0,5 mm³           Material viei 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           Tolerance outer diameter wire insulation (Data)         1.4 mm           Ingredient freeness wire insulation (Data)         1.4 dat/res, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         2           Amount strands wire (Data)         32           Diameter of single wires (Data)         0.25 mm³           Conductor cosssection wire (Data)         0.25 mm³           Material conductor wire (Data)         0.25 mm³           Material conductor wire (Data)         0.25 mm³           Conductor vire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         Strand class 6           Loop resistance         2000 MC × km           Nominal voltage AC max.         300 V           Current load capacity (standard)         to IN VDE 0296-4           Current load capacity min. Wire (Data)         3.2 A           Electrical resistance lone constant wire         39 0 km @ 20 °C           Electrical resistance coaling wire (Data)         79 0 km @ 20	Amount strands (wire)	64
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           Tolerance outer diameter wire insulation (Data)         1.2 mm           Tolerance outer diameter wire insulation (Data)         1.2 mm           Tolerance outer diameter wire insulation (Data)         2           Amount wires (Data)         32           Diameter of single wires (Data)         0.25 mm²           Material conductor wire (Data)         0.25 mm²           Material conductor wire (Data)         5.7 stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Loop resistance         2000 MQ x km           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 (Data)         3.2 A           Electrical resistance locating wire (Data)         3.2 A           Electrical resistance locating wire (Data)         7.9 Ω/km @ 20 °C           Electrical resistance locating wire (Data)         7.9 Ω/km @ 20 °C           Electrical resistance locating wire (Data)	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)         5 %           Ingredient freeness wire insulation (Data)         2 %           Amount strands wire (Data)         32           Diameter of single wires (Data)         0,1 mm           Conductor rossesection wire (Data)         0,25 mm²           Material conductor wire (Data)         0,25 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Idata)         strand class 6           Loop resistance         2000 MQ × km           Nominal voltage AC max.         300 V           Current load capacity (sindardr)         to INI VDE 0298-4           Current load capacity min. wire         6,3 A           Current load capacity min. wire         6,3 A           Current load capacity min. wire         6,3 A           Electrical resistance line constant wire         39 Q/km @ 20 °C           Electrical resistance line constant wire         39 Q/km @ 20 °C           Electrical capacity line constant (wire - wire)         1,5 kV @ 60 s           Ac withstand voltage (wire - wire)         1,5 kV @ 60 s	Conductor crosssection (wire)	0,5 mm <sup>2</sup>
Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         ± 5 %           Ingredient Treness 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 crossection wire (Data)         0,25 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strande dopser 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         6,3 A           Current load capacity min. wire (Data)         3,2 A           Electrical resistance norset wire - wire)         1,5 kV @ 60 s           Electrical resistance coating wire (Data)         79 O/km @ 20 °C           Electrical capacity line constant (wire - wire)         63000 pF/km           Power frequency withstand voltage (wire - wire)         65 mH/km	Material conductor wire	Stranded copper wire, bare
Construction         Construction           Outer diameter wire insulation (Data)         1.1 mm           Tolerance outer diameter wire insulation (Data)         tead/rec, 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 MQ × 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         6.3 A           Current load capacity min. wire         9.0 km @ 20 °C           AC withstand voltage (wire - wire)         1.5 kV @ 60 s           Electricial resistance inductivity line constant (wire - wire)         63000 pF/km           Power frequency withstand voltage (wire - sinelf)         1.2 kV @ 60 s           AC withstand voltage (wire - sinelf)         1.2 kV @ 60 s           Min. operating temperature (fixed)         50 °C           Max. operating temperature	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 strands wire (Data)       2         Amount strands wire (Data)       32         Diameter of single wires (Data)       0,1 mm         Conductor orsessection 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)       7.9 K/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         Electrical capacity line constant (wire - wire)       63000 pF/km         Power frequency withstand voltage (wire - shield)       1,2 kV @ 60 s         Min. operating temperature (fixed)	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 rossection wire (Data)         0,25 mm²           Material conductor wire (Data)         0,25 mm²           Material conductor vire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Loop resistance         2000 MQ × 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 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           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)         70 Km @ 20 °C           Ac withstand voltage (wire -         15 kV @ 60 s           Mi	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 crossection wire (Data)       0.25 mm²         Material conductor wire (Data)       Stranded copper wire, bare         Wire conductor wire (Data)       Stranded copper wire, bare         Wire conductor wire (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       6,3 A         Current load capacity wire (Data)       3.2 A         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         Electrical resistance (wire - wire)       1,5 kV @ 60 s         Min. operating temperature (static)       -55 °C         Max. operating temperature (fixed)       90 °C         Operating temperature (max. (dynamic))       70 °C         Flame resistance       IEC 60332-2-2 I UL 1581 § 1100 FT2	Tolerance outer diameter wire insulation (data)	±5%
Amount strands wire (Data)       32         Diameter of single wires (Data)       0,1 mm         Conductor orsseection wire (Data)       0.25 mm²         Material conductor type (Data)       Stranded copper wire, bare         Wire conductor type (Data)       strande 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 (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         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       0,65 mH/km         Power frequency withstand voltage (wire - interverie)       1,5 kV @ 60 s         Min. operating temperature (static)       -50 °C         Max. operating temperature (static)       -50 °C         Max. operating temperature (fixed)       90 °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 MQ × km         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       6.3 A         Current load capacity min. Wire (Data)       3.2 A         Electrical resistance coating wire (Data)       79 Q/km @ 20 °C         Electrical resistance coating wire (Data)       79 Q/km @ 20 °C         Electric inductivity line constant       0.65 mH/km         Electrical capacity line constant       0.55 mH/km         Electrical capacity line constant (wire - wire)       1.5 kV @ 60 s         AC withstand voltage (wire - shield)       1.2 kV @ 60 s         Mat. operating temperature (fixed)       90 °C         Operating temperature min. (dynamic)       -30 °C         Operating temperature	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 MQ × km         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 (standard)       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         Max. operating temperature (static)       -50 °C         Max. operating temperature (fixed)       90 °C         Operating temperature max. (dynamic)       -30 °C         Core       60332-2-2 l UL 1581 § 1100 FT2 l UL 1581 § 1090         Chemical resistance       IEC 60332-2-2 l UL 1581 § 1109 FT2 l UL 1581 § 1090         Chemical resistance       Good, application-related testing         Gasolline resistance       Good, ap	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 (Data)       3,2 A         Electrical resistance line constant wire       39 Ω/km @ 20 °C         Electrical resistance line constant wire       39 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)       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 (static)       -50 °C         Max. operating temperature (static)       -30 °C         Operating temperature (ixed)       90 °C         Operating temperature max. (dynamic)       -30 °C         Power frequency withstand voltage (wire - shield)       1,2 kV @ 60 s         Min. operating temperature (static)       -50 °C         Flame resistance       Electrical capacity line constant (dynamic)	Diameter of single wires (Data)	0,1 mm
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 ine 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 - injacket)       1,5 kV @ 60 s         Min. operating temperature (static)       -50 °C         Max. operating temperature (static)       -50 °C         Operating temperature (fixed)       90 °C         Operating temperature (ixed)       90 °C         Operating temperature max. (dynamic)       -30 °C         Operating temperature max. (dynamic)       -50 °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	Conductor crosssection wire (Data)	0,25 mm <sup>2</sup>
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 - iacket)       1,5 kV @ 60 s         Min. operating temperature (static)       -50 °C         Max. 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       Elect 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         Gil resistance       DIN EN 60811-404   Good, application-related testing	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         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 - iacket)       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       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing	Wire conductor type (Data)	strand class 6
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 - igacket)       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 (static)       -30 °C         Operating temperature min. (dynamic)       -30 °C         Operating temperature min. (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         Gasoline resistance       DN EN 60811-404   Good, application-related testing	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         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         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	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         Electrical capacity 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         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	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 - 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       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing	Current load capacity min. wire	6,3 A
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 - jacket)       1,5 kV @ 60 s         AC withstand voltage (wire - sicket)       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       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing	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       Good, application-related testing         Gasoline resistance       DIN EN 60811-404   Good, application-related testing	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 - 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	Electrical resistance coating wire (Data)	79 Ω/km @ 20 °C
Electrical capacity line constant (wire - wire)63000 pF/kmPower frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,2 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testing	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,2 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testing	Electric inductivity line constant	0,65 mH/km
jacket)1,5 kV @ 60 sAC withstand voltage (wire - shield)1,2 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testing	Electrical capacity line constant (wire - wire)	63000 pF/km
Min. operating temperature (static)-50 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testing		1,5 kV @ 60 s
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	AC withstand voltage (wire - shield)	1,2 kV @ 60 s
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	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       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing	Max. operating temperature (fixed)	0° 00
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	Operating temperature min. (dynamic)	-30 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testing		70 °C
Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing	Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
Oil resistance         DIN EN 60811-404   Good, application-related testing	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	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track) 5 Mio. @ 25 °C	Travel speed (C-track)	5 Mio. @ 25 °C
Torsion stress ± 180 °/m	Torsion stress	± 180 °/m

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: 2024-05-06