

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

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 0.15m

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

Plastic housings with good resistance against chemicals and oils.

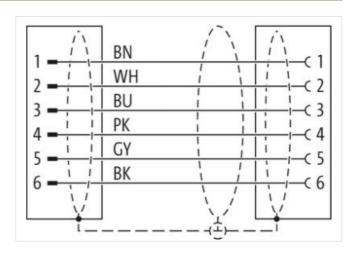
The resistance to aggressive media should be individually tested for your application. Further details on request.

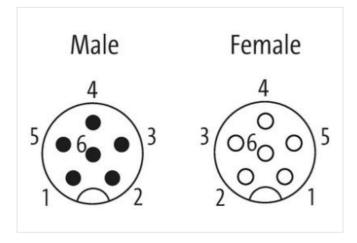
Further cable lengths on request.

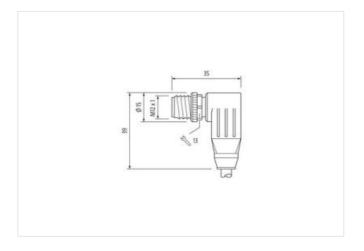
## **Link to Product**

## Illustration



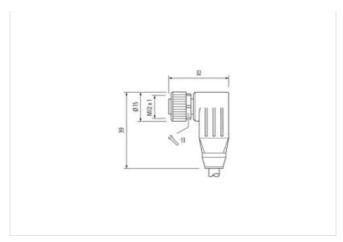








stay connected



Product may differ from Image





Side 1           Tightening torque         0.6 Nm           Mounting method         inserted, screwed           Coaling contract         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           Coaling contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         6           Commercial dat         Copper alloy           ECLASS-6.0         27061801           ECLASS-7.0         2706307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         27060307           ECLASS-1.1.1         27060307           ECLASS-1.2.0         27060307           ECL	Cable length	0,15 m
Mounting method   Inserted, screwed	Side 1	
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           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-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         25000307           ETIM-5.0         EC001855	Tightening torque	0,6 Nm
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           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307	Mounting method	inserted, screwed
Thread	Coating contact	gold plated
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-9.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307	Family construction form	M12
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           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290	Thread	M12 x 1
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           ECILASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290	Coding	A
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         Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECUASS-12.0         27060307           Ecuations tariff number         85444290	Material contact	Copper alloy
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           ECLASS-12.0         27060307           ETIM-5.0         EC01855           customs tariff number         85444290		
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-9.0 27060307  ECLASS-9.0 27060307  ECLASS-1.1 27060307  ECLASS-1.2 27060307  ECLASS-1.2 27060307  ECLASS-1.2 27060307  ECLASS-1.2 27060307	Width across flats	SW13
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-11.2.0         27060307           ECLASS-12.0         27060307           ECIMS-12.0         27060307           ECIMS-12.0         28060307           ECIMS-12.0         28060307           ECIMS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-12.0	Side 2	
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	Tightening torque	0,6 Nm
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	Mounting method	inserted, screwed
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           ECLASS-12.0         27060307           ECLASS-12.0         85444290	Coating contact	gold plated
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           ECLASS-12.0         27060307           ECLASS-11.1         25060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307	Family construction form	M12
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           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-10.1         27060307           ECLASS-12.0         27060307           ECLASS-10.1         27060307           ECLASS-10.1         27060307           ECLASS-10.0         27060307	Thread	M12 x 1
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	Coding	A
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	Material contact	Copper alloy
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  ECLASS-12.0 27060307  ECLASS-12.0 27060307	No. of poles	6
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	Commercial data	
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	ECLASS-6.0	27061801
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	ECLASS-6.1	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	ECLASS-7.0	27060307
ECLASS-10.1       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       85444290	ECLASS-8.0	27060307
ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       85444290	ECLASS-9.0	27060307
ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       85444290		27060307
ETIM-5.0 EC001855 customs tariff number 85444290	ECLASS-11.1	27060307
customs tariff number 85444290	ECLASS-12.0	27060307
	ETIM-5.0	EC001855
GTIN 4048879140201	customs tariff number	85444290
	GTIN	4048879140201



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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)	i
Mechanical data	
Contour for corrugated hose	without
	WILLIOUS
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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	
wire arrangement	(gray, pink), blue, white, brown, black
Cable identification	802
Function cable	Hybrid, Signal, Data
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	4 wires with Stranding combination with 3 Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece
Filler	yes
wire arrangement	(gray, pink), blue, white, brown, black
Cable weigth	77 g/m
Material jacket	PUR
Freedom from ingredients (jacket)  Outer-diameter (jacket)	lead-free, CFC-free, halogen-free  6,6 mm
Tolerance outer diameter (sheath)	± 5 %
TOIGLATICE OUTER GIATHETER (SHEATH)	± 0 /0

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: 2024-05-20



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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)         bead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         2           Amount strands wire (Data)         0,1 mm           Conductor crosssection wire (Data)         0,25 mm²           Material conductor wire (Data)         Strand class 6           Wire conductor type (Data)         Strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VDE 0298-4           Current load capacity min. Wire (Data)         3,2 A           Electrical resistance line constant wire         30 D/km @ 20 °C           Electrical resistance ince coating wire (Data)         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electrical capacity line constant (wire - wire)         6500 pF/km           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           Isolation resistance         2000 MΩ × km           Min. operating temperature (fixed)         90 °C           Operating temperature (fixed)         90 °C           Oper	Material wire insulation	PP
Outer diameter tolerance core insulation         2.5 %           Ingredient feeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         0.4           Diameter of single wires         0.7 mm           Conductor crosssection (wire)         0.5 mm²           Marterial conductor wire         Stranded copper wire, bare           Conductor type (vire)         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)         1.1 mm           Tolerance outer diameter wire insulation (Data)         2           Amount strands wire (Data)         2           Amount strands wire (Data)         32           Diameter of single wires (Data)         0.25 mm²           Wire conductor type (Data)         strand class 6           Comment load capacity (standard)         to IN N VE Gase	Amount wires	4
Ingredient freeness wire insulation Amount sirands (wire) 64 Diameter of single wires 0,1 mm Conductor crassaction (wire) Material conductor wire Strandd copper wire, bare Conductor bye (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) 2,2 mount strands wire (Data) 2,2 mount strands wire (Data) 3,2 mount strands wire (Data) 3,2 mount strands wire (Data) 3,2 mount strands wire (Data) 3,3 mount strands wire (Data) 3,4 mount strands wire (Data) 3,5 mm² Material conductor wire (Data) Material conductor wire (Data) 4,5 mm² Material conductor wire (Data) 5,7 mm² Material conductor wire (Data) 4,7 mm² Material conductor wire (Data) 5,8 mm² Material conductor wire (Data) 5,8 mm² Material conductor wire (Data) 5,9 mm² M	Outer diameter insulation	1,4 mm
Amount strands (wire)	Outer diameter tolerance core insulation	±5%
Diameter of single wires   0,1 mm	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wine)         0.5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded class 6           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1,1 mm           Toflerance outer diameter wire insulation (Data)         1,5 %           Ingredient freeness wire insulation (Data)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         32           Diameter of single wires (Data)         3,2 mm²           Conductor crosssection wire (Data)         3,2 mm²           Wire conductor type (Data)         strand class 6           Nominal voltage AC max.         300 V           Vire conductor type (Data)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity min. wire         6,3 A           Current load capacity wire. Wire (Data)         3,2 A           Electrical resistance coating wire (Data)         3,2 A           Electrical resistand voltage (wire - wire)         1,5 kV @ 60 s           Electric inductivity line constant (wire - wire)         1,5 kV @ 60 s           Electric inductivity line constant (wire - wire)         1,5 kV @ 60 s           Electric inductivity line co	Amount strands (wire)	64
Material conductor wire         Stranded copper wire, bare           Conductor type (vire)         strand class 6           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         ± 5 %           Impedient freeness wire insulation (Data)         ± 6 %           Amount wires (Data)         2           Amount strands wire (Data)         32           Dimater of single wires (Data)         0,1 mm           Conductor crosssection wire (Data)         0,25 mm²           Material conductor wire (Data)         5 % and dosper wire, bare           Wire conductor (Pte (Data)         5 xanded copper wire, bare           Wire conductor (Pte (Data)         5 xanded sopper wire, bare           Wire conductor (Pte (Data)         5 xanded sopper wire, bare           Wire conductor (Pte (Data)         5 xanded sopper wire, bare           Wire conductor (Pte (Data)         5 xanded sopper wire, bare           Virent (bad capacity (standard)         to DIN VDE (299.4           Current (bad capacity (standard)         to DIN VDE (299.4           Current (bad capacity (standard)         3 2 A           Electrical capacity (wire, wire)         3 9 Ωkm @ 20 °C           Electrical capacity (wire (pata)	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)         2.2           Amount wires (Data)         2.2           Diameter of single wires (Data)         3.2           Diameter of single wires (Data)         0.1 mm           Conductor crosssection wire (Data)         9.25 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Current load capacity min. wire         6.3 A           Current load capacity min. wire         6.3 A           Current load capacity min. wire         3.2 A           Electrical resistance coating wire (Data)         7.9 kW @ 60 °           Electrical resistance coating wire (Data)         7.9 kW @ 60 °           Electrical capacity min. wire         6.5 mH/km           Electrical cap	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 freeness wire insulation (Data)         bead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         2           Amount strands wire (Data)         0,1 mm           Conductor crosssection wire (Data)         0,25 mm²           Material conductor wire (Data)         Strand class 6           Wire conductor type (Data)         Strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VDE 0298-4           Current load capacity min. Wire (Data)         3,2 A           Electrical resistance line constant wire         30 D/km @ 20 °C           Electrical resistance ince coating wire (Data)         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electrical capacity line constant (wire - wire)         6500 pF/km           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           Isolation resistance         2000 MΩ × km           Min. operating temperature (fixed)         90 °C           Operating temperature (fixed)         90 °C           Oper	Material conductor wire	Stranded copper wire, bare
Outer diameter wire insulation (Data)         1,1 mm           Tolerace outer diameter wire insulation (data)         ± 5 %.           Ingredient freeness wire insulation (Data)         ± 5 %.           Amount strands wire (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)         stranded copper wire, bare           Wire conductor type (Data)         strand class 6           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 coacity in ine constant (wire - wire)         1,5 kV @ 60 s           Electrical capacity line constant (wire - wire)         1,5 kV @ 60 s           Electrical pacipacity in econstant (wire - wire)         1,5 kV @ 60 s           Isolation resistance         2000 MC x km           Min. operating t	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 crosssection wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 INIVDE 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 D/km @ 20 °C           Electrical resistance coating wire (Data)         79 D/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electrical capacity line constant (wire - wire)         6,5 mH/km           Electrical capacity line constant (wire - wire)         6,0000 pF/km           Power frequency withstand voltage (wire - shield)         1,2 kV @ 60 s           Isolation resistance         2000 M/Ω × km           Min. operating temperature (static)         50 °C <td>Material wire insulation (Data)</td> <td>PP</td>	Material wire insulation (Data)	PP
Ingredient freeness wire insulation (Data) Amount wires (Data) 2 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) Material conductor wire (Data) 32 Diameter of single wires (Data) 0,25 mm² Material conductor wire (Data) Wire conductor vire (Data) Nominal voltage AC max. 300 V Current load capacity (standard) 0,1 mW (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance contain wire (Data) 79 Ω/km @ 20 °C Electrical resistance obstant (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s Electrical resistance wire (wire - shield) 1,2 kV @ 60 s Electrical persistance (wire - shield) 1,2 kV @ 60 s Electrical persistance (wire - shield) 1,2 kV @ 60 s Electrical persistance 2000 AC withstand voltage (wire - shield) 1,2 kV @ 60 s Elocating temperature (static) 4,5 kV @ 60 s Elocating temperature (static) 5,5 v C Electrical persistance 6,6 max (A)	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) Stranded copper wire, bare 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 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 Electric inductivity line constant (wire - wire) 63000 pF/km 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  Localization resistance 2000 MΩ × km Min. operating temperature (static) 50 °C Max. operating temperature (static) 50 °C Max. operating temperature max. (dynamic) 30 °C Operating temperature max. (dynamic) 70 °C Operating temperature max. (dynamic) 5 × Outer diameter  Bending radius (fiked) 5 × Outer diameter  Bending radius (fiked) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  No. of bending cycles (C-track) 10 m @ 25 °C  Travers in getatases.	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  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0288-4  Current load capacity min. Wire (Data) 3,2 A  Electrical resistance loan constant wire 39 Ω/km @ 20 °C  Electrical resistance loan constant wire 39 Ω/km @ 20 °C  Electrical resistance loan constant wire 0,65 mH/km  Electrical capacity line constant (Wire - wire) 1,5 kV @ 60 s  Electric inductivity line constant (Wire - wire) 3000 pF/km  Flower frequency withstand voltage (wire - shield) 1,2 kV @ 60 s  Isolation resistance 2000 MΩ x km  Min. operating temperature (static) 50 °C  Max. operating temperature (fixed) 90 °C  Coperating temperature (fixed) 90 °C  Coperating temperature min. (dynamic) 70 °C  Flame resistance Eco 6004, application-related testing  Gasoline resistance DIN EN 6004, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 2 m/s @ 25 °C  Travers in glastance 0-track) 10 m @ 25 °C  Travers in glastance 0-track) 10 m @ 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           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         3,2 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 (ine constant (wire - wire)         1,5 kV @ 60 s           Electric inductivity line constant (wire - wire)         63000 pF/km           Electrical capacity line constant (wire - wire)         1,5 kV @ 60 s           Electrical capacity line constant (wire - wire)         1,5 kV @ 60 s           Solution resistance         2000 MΩ × km           Min. operating temperature (static)         1,2 kV @ 60 s           Isolation resistance         2000 MΩ × km           Min. operating temperature (fixed)         90 °C           Operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         70 °C           Flame	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           Wire conductor type (Data)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         3,2 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           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)         1,5 kV @ 60 s           Isolation resistance         2000 MΩ × km           Min. operating temperature (static)         -50 °C           Max. operating temperature (fixed)         90 °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 68811-404   Good, application-related t	Amount strands wire (Data)	32
Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           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 (wire - wire)         63000 pF/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           Isolation resistance         2000 MΩ × km           Min. operating temperature (static)         -50 °C           Max. 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-	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data)         strand class 6           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 (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           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         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		0,25 mm <sup>2</sup>
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         0,650 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           Solation resistance         2000 MΩ x km           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<	Material conductor wire (Data)	Stranded copper wire, bare
Current load capacity (standard)  Current load capacity min. wire  6,3 A  Current load capacity min. Wire (Data)  32 PA  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  Electrical capacity line constant (wire - wire)  63000 pF/km  Power frequency withstand voltage (wire - in the standard of the standard of the standard voltage (wire - wire)  AC withstand voltage (wire - shield)  1,2 kV @ 60 s  Isolation resistance  2000 MΩ × km  Min. operating temperature (static)  50 °C  Max. operating temperature (static)  70 °C  Flame resistance  Electrical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 × Outer diameter  Bending radius (fixed)  5 × Outer diameter  Bending radius (fynamic)  10 × Outer diameter  Flame resistance (C-track)  5 Min. @ 25 °C  Travel speed (C-track)  2 m/s @ 25 °C  Travel speed (C-track)  2 m/s @ 25 °C	Wire conductor type (Data)	strand class 6
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         0,65 mH/km           Electrical capacity line constant (wire - wire)         63000 pF/km           Power frequency withstand voltage (wire - shield)         1,5 kV @ 60 s           Isolation resistance         2000 MΩ × km           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         Electrical capacity line resistance         Good. application-related testing           Gasoline resistance         Good. application-related testing           Gasoline resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 x Outer diameter           Bending radius (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           No. of bending cycles (C-track) </td <td>Nominal voltage AC max.</td> <td>300 V</td>	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 - jacket)         1,5 kV @ 60 s           AC withstand voltage (wire - shield)         1,2 kV @ 60 s           Isolation resistance         2000 MΩ × km           Min. operating temperature (static)         50 °C           Operating temperature min. (dynamic)         30 °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 (dynamic)         10 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Bending radius (dynamic)         10	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           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 - sipacket)         1,5 kV @ 60 s           AC withstand voltage (wire - shield)         1,2 kV @ 60 s           Isolation resistance         2000 MΩ × km           Min. operating temperature (static)         50 °C           Operating temperature min. (dynamic)         -30 °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 (dynamic)         10 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Bending radius (dynamic) <td< td=""><td></td><td>6,3 A</td></td<>		6,3 A
Electrical resistance coating wire (Data) 79 \( \text{Dr} \text{W} \text{ @ 20 °C} \)  AC withstand voltage (wire - wire) 1,5 kV \( \text{ @ 60 s} \)  Electric inductivity line constant (wire - wire) 63000 pF/km  Power frequency withstand voltage (wire - jacket) 1,5 kV \( \text{ @ 60 s} \)  AC withstand voltage (wire - shield) 1,2 kV \( \text{ @ 60 s} \)  isolation resistance 2000 \( \text{M}\text{X} \text{ w} \)  Min. operating temperature (static) -50 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -30 °C  Operating temperature max. (dynamic) 70 °C  Fiame resistance   EC 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  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio. \( \text{ @ 25 °C} \)  Traver sing distance (C-track) 10 m \( \text{ @ 25 °C} \)  Traver sing distance (C-track) 2 m/s \( \text{ @ 25 °C} \)	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 - shield)         1,5 kV @ 60 s           AC withstand voltage (wire - shield)         1,2 kV @ 60 s           Isolation resistance         2000 MΩ × km           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         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           No. of bending cycles (C-track)         5 Mio. @ 25 °C           Traversing distance (C-track)         10 m @ 25 °C           Travel speed (C-track)         2 m/s @ 25 °C	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Electric inductivity line constant  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  Isolation resistance  2000 MΩ × km  Min. operating temperature (static)  50 °C  Max. operating temperature (fixed)  90 °C  Operating temperature min. (dynamic)  70 °C  Operating temperature max. (dynamic)  70 °C  Flame resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  No. of bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (C-track)  10 m @ 25 °C  Traversing distance (C-track)  2 m/s @ 25 °C	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         Isolation resistance       2000 MΩ × km         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         No. of bending cycles (C-track)       5 Mio. @ 25 °C         Traversing distance (C-track)       10 m @ 25 °C         Travel speed (C-track)       2 m/s @ 25 °C	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 sIsolation resistance2000 MΩ × kmMin. 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 testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)5 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °CTravel speed (C-track)10 m @ 25 °C	Electric inductivity line constant	0,65 mH/km
jacket)1,3 kV $\oplus$ 60 sAC withstand voltage (wire - shield)1,2 kV $\oplus$ 60 sIsolation resistance2000 MΩ × kmMin. 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 testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)5 Mio. $\oplus$ 25 °CTraversing distance (C-track)10 m $\oplus$ 25 °CTravel speed (C-track)2 m/s $\oplus$ 25 °C	Electrical capacity line constant (wire - wire)	63000 pF/km
Isolation resistance2000 MΩ × kmMin. 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 testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)5 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °CTravel speed (C-track)2 m/s @ 25 °C	Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  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  No. of bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (C-track)  10 m @ 25 °C  Travel speed (C-track)  2 m/s @ 25 °C	AC withstand voltage (wire - shield)	1,2 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  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C	Isolation resistance	2000 MΩ × km
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  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 2 m/s @ 25 °C	Min. operating temperature (static)	-50 °C
Operating temperature max. (dynamic)  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  No. of bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (C-track)  2 m/s @ 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  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C  Travel speed (C-track) 2 m/s @ 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  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C  Travel speed (C-track) 2 m/s @ 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  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C  Travel speed (C-track) 2 m/s @ 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  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C	Oil resistance	DIN EN 60811-404   Good, application-related testing
No. of bending cycles (C-track) 5 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 10 m @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track) 2 m/s @ 25 °C	No. of bending cycles (C-track)	5 Mio. @ 25 °C
	Traversing distance (C-track)	10 m @ 25 °C
Torsion stress ± 180 °/m	Travel speed (C-track)	2 m/s @ 25 °C
	Torsion stress	± 180 °/m