

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

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 7m

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

Plastic housings with good resistance against chemicals and oils.

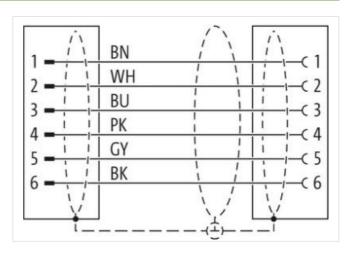
The resistance to aggressive media should be individually tested for your application. Further details on request.

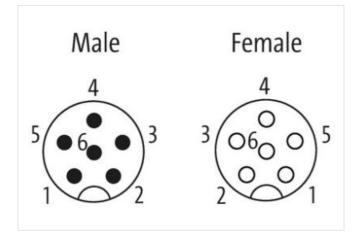
Further cable lengths on request.

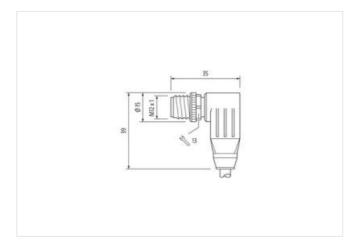
## **Link to Product**

## Illustration



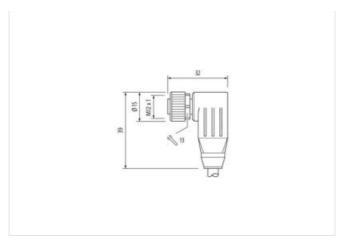








stay connected



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           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         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-11.2         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307	Cable length	7 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-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         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		6
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           ECLASS-11.1         27060307           ECLASS-11.2         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290	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-12.0         25060307           ECLASS-12.0         25060307	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	ECLASS-10.1	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 4048879140058	customs tariff number	85444290
	GTIN	4048879140058



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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	
	IDOS IDOS
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Material gasket	FKM
Locking material	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
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 strain relief	
	Attention: Observe the permissible handing radii when leving achles, as the ID protection class can be
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.
Note on bending radius  Installation   Cable	
-	
Installation   Cable	endangered by excessive bending forces.
Installation   Cable wire arrangement	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black
Installation   Cable wire arrangement Cable identification	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black 802
Installation   Cable wire arrangement Cable identification Function cable	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black  802  Hybrid, Signal, Data
Installation   Cable wire arrangement Cable identification Function cable Jacket Color	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black  802  Hybrid, Signal, Data  green
Installation   Cable wire arrangement Cable identification Function cable Jacket Color Type of Certificate	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black 802  Hybrid, Signal, Data green cURus
Installation   Cable wire arrangement Cable identification Function cable Jacket Color Type of Certificate Amount stranding	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black  802  Hybrid, Signal, Data  green  cURus  1
Installation   Cable wire arrangement Cable identification Function cable Jacket Color Type of Certificate Amount stranding Stranding	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black  802  Hybrid, Signal, Data  green  cURus  1  2 wires twisted
Installation   Cable wire arrangement Cable identification Function cable Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2)	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black  802 Hybrid, Signal, Data green cURus 1 2 wires twisted 1
Installation   Cable wire arrangement Cable identification Function cable Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2)	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black  802 Hybrid, Signal, Data green cURus 1 2 wires twisted 1 4 wires with Stranding combination with 3 Filler twisted
Installation   Cable wire arrangement Cable identification Function cable Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type)	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black  802 Hybrid, Signal, Data green cURus 1 2 wires twisted 1 4 wires with Stranding combination with 3 Filler twisted copper braid, tinned
Installation   Cable wire arrangement Cable identification Function cable Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage)	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black  802 Hybrid, Signal, Data green cURus 1 2 wires twisted 1 4 wires with Stranding combination with 3 Filler twisted copper braid, tinned  80 %
Installation   Cable  wire arrangement  Cable identification  Function cable  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black 802 Hybrid, Signal, Data green cURus 1 2 wires twisted 1 4 wires with Stranding combination with 3 Filler twisted copper braid, tinned 80 % Fleece
Installation   Cable  wire arrangement  Cable identification  Function cable  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Filler	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black  802 Hybrid, Signal, Data green cURus 1 2 wires twisted 1 4 wires with Stranding combination with 3 Filler twisted copper braid, tinned  80 % Fleece yes
Installation   Cable  wire arrangement  Cable identification  Function cable  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Filler  wire arrangement	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black 802  Hybrid, Signal, Data green cURus 1 2 wires twisted 1 4 wires with Stranding combination with 3 Filler twisted copper braid, tinned 80 % Fleece yes (gray, pink), blue, white, brown, black
Installation   Cable  wire arrangement  Cable identification  Function cable  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Filler  wire arrangement  Cable weigth	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black 802  Hybrid, Signal, Data green cURus 1 2 wires twisted 1 4 wires with Stranding combination with 3 Filler twisted copper braid, tinned 80 % Fleece yes (gray, pink), blue, white, brown, black 77 g/m
Installation   Cable  wire arrangement  Cable identification  Function cable  Jacket Color  Type of Certificate  Amount stranding  Stranding  Amount stranding (type 2)  Stranding (type 2)  Cable shielding (type)  Cable shielding (coverage)  Banding  Filler  wire arrangement  Cable weigth  Material jacket	endangered by excessive bending forces.  (gray, pink), blue, white, brown, black 802 Hybrid, Signal, Data green cURus 1 2 wires twisted 1 4 wires with Stranding combination with 3 Filler twisted copper braid, tinned 80 % Fleece yes (gray, pink), blue, white, brown, black 77 g/m PUR

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26



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Outer dismeter insulation 1,4 mm Outer dismeter foliarance core insulation 1,4 mm Ingredient freeness were insulation 1,2 mm Ingredient freeness were insulation 1,4 mm Ingredient freeness were insulation 1,4 mm Ingredient freeness were insulation 1,5 mm² Indianater of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm² Material conductor wire Stranded copper wire, bare Conductor lyes (wire) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,2 mm Ingredient freeness wire insulation (Data) 2,2 mm Ingredient freeness wire insulation (Data) 2,2 mm Malerial conductor wire (Data) 2,2 mm Malerial conductor wire (Data) 3,2 mm Malerial conductor wire (Data) 3,2 mm Ingredient freeness wire insulation (Data) 4,2 mm Ingredient freeness wire insulation (Data) 1,1 mm Ingredient freeness wire insulation (Data) 2,2 mm Ingredient freeness wire insulation (Data) 2,2 mm Ingredient freeness wire insulation (Data) 3,2 mm Ingredient freeness wire insulation (Data) 3,	Material wire insulation	PP
Outer diameter tolerance core insulation         ± 5 %           Ingredient feeness wire insulation         lead-free, cadmium-free, CPC-free, halogen-free, silicone-free           Amount strands (wire)         64           Diameter of single wires         0.1 mm           Conductor crosssection (wire)         0.5 mm²           Material own cutor of type (wire)         strand class 6           Material wire insulation (Data)         1.1 mm           Tolerance outer diameter wire insulation (data)         5 %           Ingredient freeness 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)         2.2 mm²           Diameter of single wires (Data)         0.1 mm           Conductor vives (Data)         2.2 mm²           Wire conductor type (Data)         3.5 medic expose (per wire, bare           Wire conductor type (Data)         strand copper wire, bare           Wire conductor type (Data)         strand copper wire, bare           Current load capacity (standard)         to INI VEE Ce38+4           Current load capacity (	Amount wires	4
Ingredient freeness wire insulation Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor view Conductor wire Stranded copper wire, barre Conductor wire insulation (Data) PP Cotted diameter wire insulation (Data) Cotted diameter wire (Data) Conductor orsoscenton wire (Data) Conductor orsoscenton wire (Data) Conductor orsoscenton wire (Data) Conductor orsoscenton wire (Data) Cotten toad capacity finit. wire (	Outer diameter insulation	1,4 mm
Amount strands (wire)         64           Diameter of single wires         0,1 mm           Conductor of single wires         0,5 mm²           Material conductor were         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         1,2 %           Impedient Interess wire insulation (Data)         2           Amount strands wire (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)         0,25 mm²           Material conductor wire (Data)         strand class 6           Normal voltage AC max.         300 V           Current load capacity (standard)         10 IN VDE 0298-4           Current load capacity min. wire (Data)         3,2 A           Electrical resistance line constant wire         6,3 A           Current load capacity min. wire (Data)         7,5 kW @ 60 s           Electrical resistance wire strand (wire - wire)         63	Outer diameter tolerance core insulation	±5%
Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,5 mm²           Material wire insulation (Data)         Strand class 6           Material wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         2,5 %           Impredient freeness wire insulation (Data)         2           Amount wires (Data)         2           Amount wires (Data)         32           Diameter of single wires (Data)         0,1 mm           Conductor crosssection wire (Data)         32           Wire conductor wire (Data)         5 strand class 6           Mornal 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         6,3 A           Current load capacity min. Wire (Data)         3,2 A           Electrical resistance coating wire (wire - wire)         1,5 kV @ 60 s           Electrical resistance voiling wire (wire - wire)         1,5 kV @ 60 s           Electrical repaired privilla constant         0,65 mH/km <tr< td=""><td>Ingredient freeness wire insulation</td><td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td></tr<>	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crossection (wire)         0.5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1,1 mm           Toferance outer diameter wire insulation (Data)         15 %           Ingredient freeness wire insulation (Data)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         2           Amount wires (Data)         32           Diameter of single wires (Data)         0,1 mm²           Conductor rosssection wire (Data)         32           Wire conductor type (Data)         5 mm²           Material conductor wire (Data)         5 mm²           Wire conductor type (Data)         5 mm²           Current load capacity min. wire         6,3 A           Current load capacity min. wire         6,3 A	Amount strands (wire)	64
Material conductor wire	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)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         2           Amount strands wire (Data)         32           Diameter of single wires (Data)         0,1 mm           Conductor crosssection wire (Data)         0,25 mm²           Material conductor wire (Data)         52 mm²           Mominal 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         6,3 A           Current load capacity wire (Wire Wire)         79 QMm @ 20 °C           Electrical resistance coating wire (Data)         79 QMm @ 20 °C           Electrical resistance viries wire wire         83000 pF/m	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)         32           Diameter of single wires (Data)         0,1 mm           Conductor crosssection wire (Data)         0.25 mm²           Meterial conductor wire (Data)         Strande class 6           Wire conductor type (Data)         Strande class 6           Wire conductor type (Data)         Strande class 6           Nominal voltage AC max.         300 V           Current load capacity min. Wire (Data)         3.2 A           Electrical resistance line constant wire         33 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 (wire - wire)         6500 mH/km           Electrical capacity line constant (wire - wire)         6500 mH/km           Electrical capacity line constant (wire - wire)         6500 mH/km           Electrical capacity line constant (wire - wire)         6500 mH/km	Material conductor wire	Stranded copper wire, bare
Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         1,5 %.           Ingredient freeness wire insulation (Data)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands wire (Data)         2           Diameter of single wires (Data)         32           Diameter of single wires (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 (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         3.2 A           Current load capacity wire (Data)         7.9 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         7.9 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electrical capacity line constant (wire - wire)         1,5 kV @ 60 s           Isolation resistance         2000 MC × km	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) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Belectrical resistance line constant wire  0,30 μ/μ	Material wire insulation (Data)	PP
Ingredient freeness wire insulation (Data)   Ieaad-free, cadmium-free, CFC-free, halogen-free, silicone-free	Outer diameter wire insulation (Data)	1,1 mm
Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6  Wire conductor type (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded Conductor type (Data) Strand	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 finin, 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 line constant wire         39 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric inductivity line constant         0,65 mH/km           Electrical capacity inie constant (wire - wire)         3300 pF/km           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           Electrical resistance         2000 MΩ × km           Min. operating temperature (sitatic)         50 °C           Max. operating temperature (sitatic)         50 °C           Max. operating temperature min. (dynamic)         30 °C           Operating temperature min. (dynamic)         70 °C           Flame resistance         Ele 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090           chemical resistance <td>Ingredient freeness wire insulation (Data)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	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)         stranded copper wire, bare           Wire conductor type (Data)         stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6.3 A           Current load capacity min. Wire (Data)         3.2 A           Electrical resistance line constant wire         39 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric inductivity line constant (wire - wire)         63000 pF/km           Power frequency withstand voltage (wire - shield)         1,2 kV @ 60 s           Isolation resistance         2000 MΩ × km           Min. operating temperature (static)         50 °C           Max. operating temperature (fixed)         90 °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 <td>Amount wires (Data)</td> <td>2</td>	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           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)         1,5 kV @ 60 s           Electrical capacity line constant (wire - wire)         1,5 kV @ 60 s           Solation resistance         2000 MΩ × km           Min. operating temperature (static)         -50 °C           Max. operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         70 °C           Plame resistance         EC 60332-2-2 l LL 1581 § 1100 FT2   UL 1581 § 1090           chemical resistance         Good. application-related testing           Oil resistance         DIN EN 66811-404   Good. application-related testing           Bending radius (fixed)         5 x Outer diameter<	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 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           Electrical resistance ine constant wire wire)         1,5 kV @ 60 s           Electrical capacity line constant         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 mix. (dynamic)         -30 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         Elec 6032-2-2 [ UL 1581 § 1100 FT2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gli resistance         DIN EN 60811-404   Good, app	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         63000 pF/km           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           Electrical capacity line constant (wire - wire)         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 (static)         -50 °C           Max. 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	Conductor crosssection wire (Data)	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           Electrical capacity line constant         0,65 mH/km           Electrical capacity line constant (wire - wire)         63000 pF/km           Power frequency withstand voltage (wire - siacket)         1,5 kV @ 60 s           AC 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           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           Gil resistance         DIN EN 60811-404   Good, application-related testing	Material conductor wire (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 (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 - included (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         EC 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)	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           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 × Outer diameter           Bending radius (fixed)         5 × Outer diameter           Bending radius (dynamic)         10 × Outer diameter	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       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 × km         Min. operating temperature (static)       -50 °C         Max. 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 × Outer diameter         Bending radius (dynamic)       10 × 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	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 - lack to the standard 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  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  Bending radius (fixed)  5 × 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  Travel speed (C-track)  2 m/s @ 25 °C  Traversing distance (C-track)  2 m/s @ 25 °C  Traversing distance (C-track)  2 m/s @ 25 °C  Traversing distance (C-track)  2 m/s @ 25 °C	Current load capacity min. wire	6,3 A
Electrical resistance coating wire (Data) 79 \( \Omega / \text{km} \end{aligned} 20 \circ C\)  AC withstand voltage (wire - wire) 1,5 kV \( \text{ 60 s} \)  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 \( \text{ 60 s} \)  AC withstand voltage (wire - shield) 1,2 kV \( \text{ 60 s} \)  Isolation resistance 2000 M\( \Omega \text{ km} \)  Min. operating temperature (static) -50 \( \circ C \)  Max. operating temperature (fixed) 90 \( \circ C \)  Operating temperature max. (dynamic) 70 \( \circ C \)  Flame resistance  EC 60332-2-2   UL 1581 \( \xi \) 1100 FT2   UL 1581 \( \xi \) 1090  chemical resistance  Good, application-related testing  Good (application-related  Good (application-related  Good  Goo	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 (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         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  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  Max. operating temperature (fixed)  90 °C  Operating temperature min. (dynamic)  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 × Outer diameter  No. of bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (C-track)  10 m @ 25 °C  Traver speed (C-track)  2 m/s @ 25 °C  Travel speed (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 DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × 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) $1.5 \text{ kV} \otimes 60 \text{ s}$ $1.$	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 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	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 max. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  5 Mio. @ 25 °C  Traversing distance (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) 2 m/s @ 25 °C  Travel speed (C-track) 2 m/s @ 25 °C	Isolation resistance	$2000 \text{ M}Ω \times \text{km}$
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 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) 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  Traver speed (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