

M12 female 90° A-cod. with cable LED

PUR 5x0.34 or UL/CSA+robot+drag ch. 1.5m

Female 90° Zinc die casting, save-cover coated M12, 5-pole 3× LED (PNP)

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

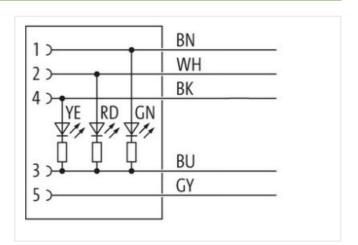
Plastic housings with good resistance against chemicals and oils.

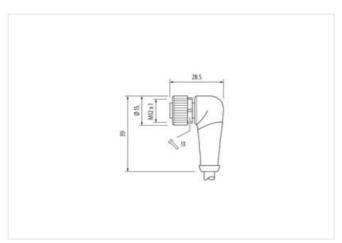
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

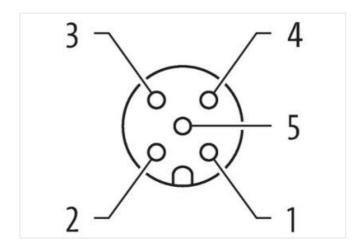
Link to Product

Illustration









Product may differ from Image









Cable length

1,5 m

Side 1



stay connected

Thread	Tightening torque	0,6 Nm
Family construction form M12 https://pex.com/particle/ 10 mm	Mounting method	inserted, screwed
Thread	Family construction form	M12
Coding A Material PUR Montpoles 5 Width across flats SW13 Despries of protection (EN IEC 60529) IP65, IP6K, IP67 Side 2 Simple lings fligabeth) 20 mm Commercial date ECLASS 6.0 27279218 ECLASS 6.1 27279218 ECLASS 6.1 27279218 ECLASS 6.0 27279218 ECLASS 6.0 27279218 ECLASS 7.0 2729218 ECLASS 7.0 2729218 <t< td=""><td>Thread</td><td>M12 x 1</td></t<>	Thread	M12 x 1
Coding A Material PUR Montpoles 5 Width across flats SW13 Despries of protection (EN IEC 60529) IP65, IP6K, IP67 Side 2 Simple lings fligabeth) 20 mm Commercial date ECLASS 6.0 27279218 ECLASS 6.1 27279218 ECLASS 6.1 27279218 ECLASS 6.0 27279218 ECLASS 6.0 27279218 ECLASS 7.0 2729218 ECLASS 7.0 2729218 <t< td=""><td>suitable for corrugated tube (internal Ø)</td><td>10 mm</td></t<>	suitable for corrugated tube (internal Ø)	10 mm
Material PUR No. of poles 5 Width across flats SW13 Degree of protection (EN IEC 60529) PES, IP66K, IP67 Side 2 Simple length (lacker) 20 mm Commercial data ECLASS 6.0 27279218 ECLASS 7.0 27279218 20 ECLASS 7.0 27279218 20 ECLASS 9.0 27279218 20 ECLASS 9.0 27279218 20 ECLASS 9.0 27060311 20 ECLASS 1.0.1 27060311 20 ECLASS 1.1.1 27060311 20 ECLASS 1.2.0 27060311 20 ECLASS 1.1.1 27060311 20 ECLASS 1.2.0 27060311 20 Eclassing Industrial data Supply 20 20 Coperating voltage DC	Coding	A
Width across flats SW13 Degree of protection (ENIEC 60529) IPES, IP66K, IP67 Side 2 Stripping length (scket) 20 mm Commercial date ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27060311 ECLASS-8.0.1 27060311 ECLASS-1.0.1 27060311 ECLASS-1.1.1 27060311 ECLASS-1.2.0 27060311 ECLASS-1.0.1 ECO01855 customs tairff unwher 85444290 GTIM 4048879756273 Packaging unit 1 Electrical data [Suppty Operating voltage DC max. 30 V Operating voltage D	Material	PUR
Degree of protection (EN IEC 60529)	No. of poles	5
Side 2 Stripping length (jacket) 20 mm Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27000311 ECLASS-9.1 27000311 ECLASS-1.1 27000311 ECLASS-1.2.0 27000311 ECLASS-1.3.0 ECO01855 customs tariff number 85444290 GTIN 4048879756273 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A Diagnostics Status indication LED Status indication Econetion 4 A Device protection Electrical Mark Additional condition protection degree inserted. screwed Pollution Degree 3 Rated surge voltage <td< td=""><td>Width across flats</td><td>SW13</td></td<>	Width across flats	SW13
Commercial data	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27000311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27090311 ETIM-5.0 EC001855 coustoms staff number 85444290 GTIN 4048879756273 Packaging unit 1 Electrical data Supply Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A Diagnosits Stratus indication LED groen, red, yellow Installation Connection Stripping length (jacket) 20 mm Mounting per brotection Electrical A A Device protection Electrical A A Device protection Electrical A A Device protect	Side 2	
ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-17.0 ECO01855 coustons tariff number 85444290 GTIN 4048879756273 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Oursent operating per contact max. 4 A Diagnostics Status indication LED Status indication LED green, red, yellow Installation Connection Witx 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) 1 Mechanical data Material data	Stripping length (jacket)	20 mm
ECLASS-6.1 2779218 ECLASS-7.0 2729218 ECLASS-9.0 2729218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 ECLASS-12.0 27060311 ETIM-5.0 ECLASS-13.1 1 2001855 CUSTOM ETIM ETIM ETIM ETIM ETIM ETIM ETIM ETI	Commercial data	
ECLASS-7.0 2779218 ECLASS-8.0 2779218 ECLASS-9.0 2760311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 ECO01855 customs tarff number 85444290 GTIN 404887956273 Packaging unit 1 Electrical data Supply Operating voltage DC m2 Operating voltage DC m3 Operating voltage DC m3 Operating voltage DC m3 Operating voltage DC m3 Operating voltage DC m4 Operating voltage DC m4 Operating voltage DC m6 Operating voltage DC m8 Operating voltage Nd voltage Operating voltage Operating voltage Operating voltage Operating voltage Operating voltage Operating voltage Operation voltage Operation voltage Operation voltage Operation voltage Operation v	ECLASS-6.0	27279218
EGLASS 9.0 2779218 EGLASS 9.0 27060311 EGLASS-10.1 27060311 EGLASS-11.1 27060311 EGLASS-12.0 27060311 EGLASS-12.0 EC001855 customs tariff number 85444290 GTIN 4048879758273 Packaging unit 1 Eeterical data Supply ************************************	ECLASS-6.1	27279218
EGLASS 9.0 2779218 EGLASS 9.0 27060311 EGLASS-10.1 27060311 EGLASS-11.1 27060311 EGLASS-12.0 27060311 EGLASS-12.0 EC001855 customs tariff number 85444290 GTIN 4048879758273 Packaging unit 1 Eeterical data Supply ************************************	ECLASS-7.0	
ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 ECDASS-12.0 1 ETIM-5.0 ECONTROLL STATE STA	ECLASS-8.0	
ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 ECDASS-12.0 1 ETIM-5.0 ECONTROLL STATE STA	ECLASS-9.0	27060311
ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-17.0 EC001855 customs tariff number 85444290 GTIN 4048879756273 Packaging unit 1 Electrical data Supply Operating voltage DC Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A Operating voltage DC max. Status indication LED Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8	ECLASS-10.1	
ECILASS-12.0 27060311 ETIM-5.0 EC001855 CC001855 GTIN 4048879756273 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC 24 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Operating voltage DC max. (UL-listed) 30 V Operating voltage DC max. (UL-listed) 4 A Diagnostics Status indication LED green, red, yellow Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage M2 (B4 V) Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection	ECLASS-11.1	
customs tariff number 85444290 GTIN 4048879756273 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A Diagnostics Status indication LED green, red, yellow Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Reads surge voltage 0, 8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking inciden since Zinc die-casting Material screw connection Zinc die-casting Methanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Mounting data Munting method inserted, screwed, Shaking protection Mechanical data Munting data Munting method inserted, screwed, Shaking protection Mechanical data Munting data Munting method inserted, sc	ECLASS-12.0	27060311
GTIN 4048879756273 Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A Diagnostics Status indication LED Status indication LED green, red, yellow Installation Connection Will a Y 1 Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating olicking nickel plated Coating olifiting nickel plated Locking material Zinc die-casting Mechanical data Mounting data inserted, screwed, Shaking protection Environmental characteristics Climatic	ETIM-5.0	EC001855
Packaging unit 1 Electrical data Supply Operating voltage DC min. 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A Diagnostics Status indication LED green, red, yellow Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 80664-1) 1 Mechanical data Material data Coating of fitting Coating of fitting nickel plated Locking material Zinc die-casting Metarial screw connection Zinc die-casting Metarial screw connection Zinc die-casting Metarial finding method inserted, screwed, Shaking protection	customs tariff number	85444290
Electrical data Supply Operating voltage DC	GTIN	4048879756273
Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Operating voltage DC max. (UL-listed) 30 V Operating voltage DC max. (UL-listed) 30 V Ournent operating per contact max. 4 A Diagnostics Status indication LED green, red, yellow Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	Packaging unit	1
Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A Diagnostics Status indication LED green, red, yellow Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking sefe-cover coated Coating of fitting nickel plated Locking material Locking material Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection	Electrical data Supply	
Operating voltage DC max. 30 V Operating voltage DC max. (UL-listed) 30 V Current operating per contact max. 4 A Diagnostics Status indication LED green, red, yellow Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Size die-casting Meterial screw connection Zinc die-casting Meterial screw connection Zinc die-casting Meterial screw connection inserted, screwed, Shaking protection Mentalla Mounting data Mounting method inserted, screwed, Shaking protection	Operating voltage DC	24 V
Operating voltage DC max. (UL-listed) Current operating per contact max. A A Diagnostics Status indication LED green, red, yellow Installation Connection Stripping length (jacket) Mucunting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Locking material crew connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	Operating voltage DC min.	18 V
Current operating per contact max. 4 A Diagnostics Status indication LED green, red, yellow Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material cornection zince die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	Operating voltage DC max.	30 V
Status indication LED green, red, yellow Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material crew connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	Operating voltage DC max. (UL-listed)	30 V
Status indication LED green, red, yellow Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Material screw connection Zinc die-casting Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	Current operating per contact max.	4 A
Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	Diagnostics	
Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material i Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	Status indication LED	green, red, yellow
Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	Installation Connection	
Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	Stripping length (jacket)	20 mm
Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material zince w connection zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		
Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	•	in a side of a side of the sid
Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		
Material group (IEC 60664-1) Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection		
Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		U,O KV
Coating locking safe-cover coated Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		'
Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		
Locking material Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		
Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		·
Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		Zinc die-casting
Environmental characteristics Climatic		
	Mounting method	
Operating temperature min25 °C	·	
	Operating temperature min.	-25 °C



stay connected

Operating temperature max. Additional condition temperature range	85 °C depending on cable quality
, ,	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	488
Cable Type	5
Jacket Color	orange
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, gray
Cable weigth	71,5 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6.5 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1.25 mm
	·
Outer diameter tolerance core insulation	± 5 % 74 ± 3 Shore D
Shore hardness wire insulation	
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	60 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C



No. of torsion cycles	1 Mio.	
Torsion stress	± 360 °/m	
Torsion speed	35 cycles/min	