

#### M12 male 0° / M12 female 0° A-cod.

PUR 4x0.34 bk UL/CSA+drag ch. 0.6m

Art.No.: 7000-40021-6340060

Weight: 0.041 Country of origin: US

Model designation: MSBL0-A-T634 0.6

#### Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

## Product details: Male straight - female straight

M12 - M12, 4-pole

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

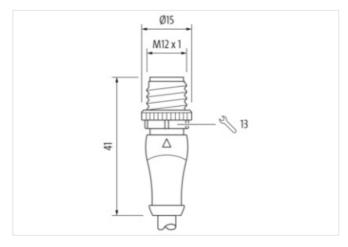
Plastic housings with good resistance against chemicals and oils.

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

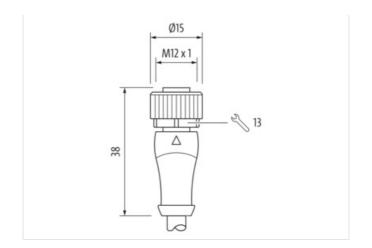
## **Link to Product**

# Illustration

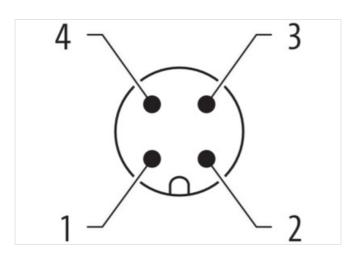


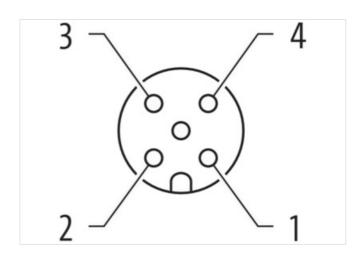


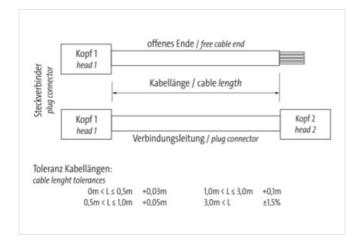






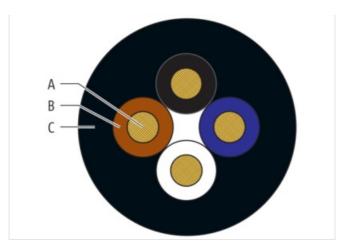












Product may differ from Image















Header	
Material short text	MSBL0-A-T634_0.6
Cable length	0,60 m
Side 1	
Family construction form	M12
No. of poles	4
Coding	A
Gender	male
Mounting method	inserted, screwed
Thread	M12 x 1
	0.6 Nm
Tightening torque	
Width across flats	SW13
Cable outlet	straight
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Side 2	
Family construction form	M12
No. of poles	4
Coding	A
Gender	female
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-40021-6340060
GTIN	4048879183437



ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060311
ECLASS-9.1	27060311
ECLASS-10.0.1	27060311
ECLASS-10.1	27060311
ECLASS-11.0	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311
ECLASS-14.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879183437
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Current operating per contact max.	4 A
	TA
Diagnostics	
Status indication LED	no
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2.5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Color contact carrier	green
Material screw connection	Zinc die-casting
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Coating locking	Nickeled
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	<b>:</b>
Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Note on strain relief	

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: 2025-11-05



Cable identification 634  Gable Type 3  Namount stranding 1  Stranding 4 wees stranded 5  Stranding 4 wees stranded 6  With arrangement brown, Black, blue, white 6  Cable weigh 27,6 gm    Material war insulation PP  Material war insulation PP  Annount wares 4  Cuter diameter tolerance core insulation 1,25 mm    Cuter diameter tolerance core insulation 70 ± 5 Shore D    Ingredent freeness wire insulation 70 ± 5 Shore D    Ingredent deness or ingredent 70 ± 5 Shore D    Ingredent deness or ingredent 70 ± 5 Shore 2    Ingredent deness or ingredent 70 ± 5 Shore 2    Ingredent glack 9 ±	Installation   Cable	
Cable Type         3           Amount stranding         1           Stranding         4 wires stranded           Wire arrangement         brown, black, blue, white           Cable weigh         27.6 g/m           Amount wires         4           Outer diameter insulation         PP           Amount wires         4           Outer diameter brief insulation         1.25 mm           Outer diameter in subultion         70 ± 5 thore 10           Fiscer bardinases wire insulation         70 ± 5 thore 10           Ingredient Feeness were insulation         70 ± 5 thore 10           Ingredient Feeness were insulation         27 € 5 thore 10           Ingredient Feeness were insulation         27 ± 5 thore 10           Ingredient Feeness were insulation         42           Amount strands (wire)         42           Ingredient Feeness were insulation         27 mm           Conductor resistence (wire)         34 mm²           Material pall were         31 mm²           Conductor by the previous         strand dass 6           Count-diameter (jacket)         4.5 mm           Tolder-diameter (jacket)         4.5 mm           Tolder-diameter (jacket)         90 ± 5 thore A           Freadem from improduents (	Installation   Cable	
Amount stranding   1  Stranding		
Stranding	Cable Type	3
Wire arrangement   Drown, black, blue, white   27.6 g/m	Amount stranding	1
Cable weight         27.6 g/m           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Shore hardress wire insulation         70.4 5 Shore D           Shore hardress wire insulation         70.4 5 Shore D           Ingredient feeness wire insulation         70.4 5 Shore D           Amount strands (virier)         42           Diameter of single wires         0.1 mm           Conductor crosssection (virier)         42           Diameter of single wires         0.1 mm           Conductor vire         Strand copper wire, bare           Conductor vire         Strand class 6           Conductor type (wire)         strand class 6           Conductor type (wire)         4.5 mm           Tolerance outer diameter (elreath)         4.5 mm </td <td>Stranding</td> <td>4 wires stranded</td>	Stranding	4 wires stranded
Material wire insulation         PP           Amount wires         4           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         70 ± 5 Shore D           Foreign in insulation         70 ± 5 Shore D           Impredient freeness wire insulation         70 ± 5 Shore D           Impredient freeness wire insulation         CPC-Free, cadmium-free, silicone-free, halogen-free, lead-free           Amount alrands (wire)         42           Diameter of single wires         0.1 mm           Conductor by recessedion (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor by receiver         strand class 6           Outer diameter (jacket)         4.5 mm           Tolerance outer diameter (jacket)         4.5 mm           Material properties         CPC-Free, cadmium-free, silicone-free, halogen-free, lead-free           Material properties         CPC-Free, cadmium-free, silicone-free, halogen-free, lead-free           Material properties (jacket)         OPE-Free, cadmium-free, silicone-free, halogen-free, lead-free           Material properties (jacket)         CPC-Free, cadmium-free, silicone-free, halogen-free, lead-free           Material properties (jacket)         CPC-Free, cadmium-free, silicone-free, hal	Wire arrangement	
Amount wires 4  Outer diameter insulation 1,25 mm  Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient of single wires 0.1 mm Conductor orisssection (wire) 0.34 mm²  Material conductor wire Strand class 6  Outer diameter (acket) 4.5 mm Indredienter (acket) 4.5 mm Indredienter (acket) 4.5 mm Indredienter (acket) 5 %  Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket POF-free, cadmium-free, silicone-free, halogen-free, lead-free Material property (jacket) mate, good machinability, abrasion-resistant, low adhesion Conductor resistance (wire) 57 Qikm @ 20 °C Nominal voltage (wire - wire) 2.5 kV @ 60 s Withstand voltage (wire - jacket) 2.5 kV @ 60 s Withstand voltage (wire - wire) 2.5 kV @ 60 s Withstand voltage (wire - jacket) 2.5 kV @ 60 s  Withstand voltage (wire - jacket) 2.5 kV @ 60 s  Ourrent load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Ourrent load		<u>-</u>
Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         70.15 mm           Shore hardness wire insulation         CPC-free, cadmium-free, silicone-free, halogen-free, lead-free           Amount strands (wire)         42           Diameter of single wires         0.1 mm           Conductor pressection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Outer-diameter (sacket)         4.5 mm           Tolerance outer diameter (sheath)         ±.5 %           Material jacket         PUR           Shore AA         90.2 5 Shore A           Shore in ingredients (jacket)         CPC-free, cadmium-free, silicone-free, halogen-free, lead-free           Material property (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 Dkm @ 20 °C           Mominal voltage (wire - wire)         2.5 kW @ 60 s           Withstand voltage (wire - wire)         2.5 kW @ 60 s           Withstand voltage (wire - jacket)         2.5 kW @ 60 s           Current load capacity standards 1         10 DN VDE 0284 4           Current load capacity win. wire         4.8 A           Min. operating temperature (static)<	Material wire insulation	PP
Outer diameter tolerance core insulation         ± 0.05 mm           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         CFC-free, cadmium-free, silicone-free, halogen-free, lead-free           Amount strands (wire)         42           Diameter of single wires         0.1 mm           Conductor of single wires         0.1 mm           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Conductor type (wire)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jocket         PUR           Shore hardness gicket         90 ± 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, halogen-free, lead-free           Material property (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 CMm @ 20 °C           Nominal voltage (wire - wire)         25 NW @ 90 s           Withstand voltage (wire - wire)         25 NW @ 90 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A	Amount wires	
Shore hardness wire insulation         70 ± 5 Shore D           Impredient freeness wire insulation         CFC-free, cadmium-free, silicone-free, halogen-free, lead-free           Amount strands (wire)         42           Diameter of single wires         0.1 mm           Conductor crosssection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Outer-diameter (gacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material packet         90 ± 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, halogen-free, lead-free           Material packet         90 ± 5 Shore A           Freedom from ingredients (jacket)         matter, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 D/km @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - yies)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 298-4           Current load capacity mir. wire         4.8 A           Min. operating temperature (static)         40 °C           Operating temperature mix. (dynamic)         2.5 °C           Operating temp	Outer diameter insulation	
Ingredient freeness wire insulation	Outer diameter tolerance core insulation	
Amount strands (wire)         42           Diameter of single wires         0.1 mm           Conductor or sessection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor (ype (wire)         strand class 6           Conductor (glameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         2.5 %           Material jacket         PUR           Shore hardness jacket         PCF (ree, cadmium-free, silicone-free, halogen-free, lead-free           Material property (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 (Nim @ 20 °C           Nominal voltage (wire - wire)         2.5 kV @ 60 s           Withstand voltage (wire - wire)         2.5 kV @ 60 s           Withstand voltage (wire - wire)         4.8 A           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         4.9 °C           Current load capacity (standard)         4.9 °C           Current load capacity (standard)         4.9 °C           Current load capacity (standard)         50 °C (90 °C @ 10000 h Operation           Operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)	Shore hardness wire insulation	
Diameter of single wires         0.1 mm           Conductor crosssection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material probe with the problem of	Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Conductor crosssection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Outer-diameter (gacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, halogen-free, lead-free           Material property (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 rûkm @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - jacket)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 028-4           Current load capacity min. wire         4.8 A           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Eleme resistance         UL 1581 § 1090, CSA FT2, IEC 60332-2-2	Amount strands (wire)	
Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, halogen-free, lead-free           Material property (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 O/km @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - wire)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Mn. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Cli resistance         UL 15818 1909. CSA FTZ, IEC 60332-2-2           Oil resistance         IEC 60811-404           Chemical resistance	Diameter of single wires	
Conductor type (wire)         strand class 6           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadminum-free, silicone-free, halogen-free, lead-free           Material property (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 Ω/km @ 20 °C           Nominal voltage (wire - wire)         2.5 kV @ 60 s           Withstand voltage (wire - wire)         2.5 kV @ 60 s           Withstand voltage (wire - wire)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         25 °C           Operating temperature min. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1	Conductor crosssection (wire)	
Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, halogen-free, lead-free           Material property (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 Ω/km @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - wire)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Max. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Chemical resistance         UL 1581 § 1990. CSA FT2, IEC 60332-2-2           Oli resistance         IEC 60811-404           Chemical resistance         go	Material conductor wire	
Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, lead-free           Material property (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 Ω/km @ 20 °C           Nominal voltage (wire - wire)         2.5 kV @ 60 s           Withstand voltage (wire - jacket)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Max. operating temperature (static)         40 °C           Max. operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (drag chain)         25 °C           Operating temperature max. (drag chain)         25 °C           Operating temperature max. (drag chain)         25 °C           Oi'l resistance         UL 1581 § 1090, CSA FT2, IEC 60332-2-2           Oi'l resistance         good           Oil resistance         good           Oil resistance (section	Conductor type (wire)	strand class 6
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from Ingredients (jacket)         CFC-free, cadmium-free, silicone-free, halogen-free, lead-free           Material proefly (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 Ω/km @ 20 °C           Nominal voltage (wire - wire)         2.5 kV @ 60 s           Withstand voltage (wire - jacket)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         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 § 1090, CSA FT2, IEC 60332-2-2           Oil resistance         IEC 60811-404           Chernic		
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, halogen-free, lead-free           Material property (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 Ω/km @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - wire)         2.5 kV @ 60 s           Withstand voltage (wire - jacket)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         4.8 A           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Plame resistance         UL 1581 § 1090, CSA FTZ, IEC 60332-2-2           Oll resistance         IEC 60811-404           Chemical resistance         good resistance to gasoline, resistant to hydrolysis, resistant to microbes           Bending radius (fixed)         5 × Outer diameter           Bending radius (gynamic)         10 × Outer diameter           Bonding radius (gynamic)         10 × Outer diameter	Tolerance outer diameter (sheath)	± 5 %
Freedom from ingredients (jacket)  Material property (jacket)  matte, good machinability, abrasion-resistant, low adhesion  Conductor resistance (wire)  57 O/km @ 20 °C  Nominal voltage (wire - wire)  2.5 kV @ 60 s  Withstand voltage (wire - jacket)  2.5 kV @ 60 s  Withstand voltage (wire - jacket)  2.5 kV @ 60 s  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity (standard)  Current load capacity (standard)  With coparating temperature (static)  40 °C  Max. operating temperature (static)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (drag chain)  -25 °C  Operating temperature max. (drag chain)  Operating temperature max. (drag chain)  Elame resistance  UL 1581 § 1090, CSA FT2, IEC 60332-2-2  Oil resistance  UL 1581 § 1090, CSA FT2, IEC 60332-2-2  Oil resistance  good  Other resistances  good resistance to gasoline, resistant to hydrolysis, resistant to microbes  Bending radius (fixed)  5 × Outer diameter  Bending radius (fixed)  5 × Outer diameter  Bending radius (dynamic)  10 × Outer diameter  Bending radius (optonamic)  10 × Outer diameter  Travel speed (C-track)  10 m @ 25 °C  Acceleration (C-track)  10 m % @ 25 °C  Acceleration (C-track)  10 m % @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 %/m	Material jacket	PUR
Material property (jacket)         matte, good machinability, abrasion-resistant, low adhesion           Conductor resistance (wire)         57 Ω/km @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - wire)         2.5 kV @ 60 s           Withstand voltage (wire - jacket)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature min. (drag chain)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Oli re	Shore hardness jacket	90 ± 5 Shore A
Conductor resistance (wire)         57 Ω/km @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - wire)         2.5 kV @ 60 s           Withstand voltage (wire - jacket)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature min. (drag chain)         -25 °C           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1090, CSA FT2, IEC 60332-2-2           Oil resistance         IEC 60811-404           Chemical resistance         good           Other resistances         good resistance to gasoline, resistant to hydrolysis, resistant to microbes           Bending radius (fixed)         5 × Outer diameter           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Traversing distance (C-track)         10 mio. @ 25 °C           Travel speed (C-track)         10 mio. @ 25 °C           No.	Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Nominal voltage AC max.         300 V           Withstand voltage (wire - wire)         2.5 kV ⊚ 60 s           Withstand voltage (wire - jacket)         2.5 kV ⊚ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C ⊚ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C ⊚ 10000 h Operation           Operating temperature max. (drag chain)         -25 °C           Operating temperature max. (drag chain)         -25 °C           Operating temperature max. (drag chain)         -25 °C           Operating temperature max. (drag chain)         80 °C / 90 °C ⊚ 10000 h Operation           Flame resistance         UL 1581 § 1990, CSA FT2, IEC 60332-2-2           Oil resistance         IEC 60811-404           Chemical resistance         good           Other resistances         good resistance to gasoline, resistant to hydrolysis, resistant to microbes           Bending radius (fixed)         5 × Outer diameter           No. of bending cycles (C-track)         10 m io. 25 °C   horizontal           Traver sing distance (C-track)         10 m i	Material property (jacket)	
Withstand voltage (wire - wire)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (drag chain)         -25 °C           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1090, CSA FTZ, IEC 60332-2-2           Oil resistance         IEC 60811-404           Chemical resistance         good           Other resistances         good resistance to gasoline, resistant to hydrolysis, resistant to microbes           Bending radius (fixed)         5 × Outer diameter           Bending radius (dynamic)         10 × Outer diameter           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Traversing distance (C-track)         10 m@ 25 °C   horizontal           Travel speed (C-track)         10 m/s² @ 25 °C           Acceleration (C-track)         10 m/s² @	Conductor resistance (wire)	57 Ω/km @ 20 °C
Withstand voltage (wire - jacket)         2.5 kV @ 60 s           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (drag chain)         -25 °C           Operating temperature max. (drag chain)         -25 °C           Operating temperature max. (drag chain)         -80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1090, CSA FT2, IEC 60332-2-2           Oil resistance         IEC 60811-404           Chemical resistance         good           Other resistances         good resistance to gasoline, resistant to hydrolysis, resistant to microbes           Bending radius (fixed)         5 × Outer diameter           Bending radius (dynamic)         10 × Outer diameter           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Travel speed (C-track)         10 m/s² @ 25 °C           No. of torsion cycles         2 Mio. </td <td>Nominal voltage AC max.</td> <td></td>	Nominal voltage AC max.	
Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (drag chain)         -25 °C           Operating temperature max. (drag chain)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1090, CSA FT2, IEC 60332-2-2           Oil resistance         IEC 60811-404           Chemical resistance         good           Other resistances         good resistance to gasoline, resistant to hydrolysis, resistant to microbes           Bending radius (fixed)         5 × Outer diameter           Bending radius (dynamic)         10 × Outer diameter           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Travel speed (C-track)         10 m/s² @ 25 °C           No. of torsion cycles         2 Mio.           Torsion stress         ± 180 °/m	Withstand voltage (wire - wire)	
Current load capacity min. wire  4.8 A  Min. operating temperature (static)  40 °C  Max. operating temperature (static)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (drag chain)  -25 °C  Operating temperature min. (drag chain)  -25 °C  Operating temperature max. (drag chain)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1090, CSA FT2, IEC 60332-2-2  Oil resistance  IEC 60811-404  Chemical resistance  good  Other resistances  good resistance to gasoline, resistant to hydrolysis, resistant to microbes  Bending radius (fixed)  5 × Outer diameter  Bending radius (dynamic)  10 × Outer diameter  No. of bending cycles (C-track)  10 m @ 25 °C   horizontal  Travel speed (C-track)  10 m/s² @ 25 °C  Acceleration (C-track)  10 m/s² @ 25 °C  No. of torsion cycles  ± 180 °/m		2.5 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (static)  Max. operating temperature (static)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature min. (drag chain)  Operating temperature min. (drag chain)  Operating temperature max. (drag chain)  Operating tempera	Current load capacity (standard)	to DIN VDE 0298-4
Max. operating temperature (static)  No operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature min. (drag chain)  Operating temperature min. (drag chain)  Operating temperature max. (drag chain)  No of bending cycles (C-track)  Travel speed (C-track)  No. of torsion cycles  Coperating temperature (static)  80 °C / 90 °C @ 10000 h Operation  80 °C / 90 °C @ 10000 h Operation  80 °C / 90 °C @ 10000 h Operation  90 °C / 90 °C @ 10000 h Operation  10 L 1581 § 1090, CSA FT2, IEC 60332-2-2  IEC 60811-404  IEC 60832-2-2  IEC 60332-2-2  IEC 6032-2-2  IEC 60332-2-2  IEC 60332-2  IEC 60332-2-2  IEC 60332-2  IEC 6032-2  IEC 60332-2  IEC 60332-2  IEC 6032-2  IEC 6032-2  IEC 6032-2  IEC 6032-2  IEC 60	Current load capacity min. wire	4.8 A
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature min. (drag chain) Operating temperature max. (dynamic) Operating temperature max. (drag chain) Operation (drag chain) Operating temperature max. (drag chain) Operation operation Operation (drag chain) Operation operation Operation (drag chain) Operation Oper	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (drag chain) -25 °C  Operating temperature max. (drag chain) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1090, CSA FT2, IEC 60332-2-2  Oil resistance IEC 60811-404  Chemical resistance good  Other resistances good resistance to gasoline, resistant to hydrolysis, resistant to microbes  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  No. of bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Travel speed (C-track) 10 m/s² @ 25 °C  Acceleration (C-track) 10 m/s² @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress ± 180 °/m	Max. operating temperature (static)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (drag chain) Operating temperature max. (drag chain) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1090, CSA FT2, IEC 60332-2-2  Oil resistance IEC 60811-404  Chemical resistance good Other resistances good resistance to gasoline, resistant to hydrolysis, resistant to microbes  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  No. of bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Travel speed (C-track) 3 m/s @ 25 °C  Acceleration (C-track) 10 m/s² @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (drag chain) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1090, CSA FT2, IEC 60332-2-2  Oil resistance IEC 60811-404  Chemical resistance good  Other resistances good resistance to gasoline, resistant to hydrolysis, resistant to microbes  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  No. of bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Travel speed (C-track) 3 m/s @ 25 °C  Acceleration (C-track) 10 m/s² @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Operating temperature max. (dynamic)	- ·
Flame resistance UL 1581 § 1090, CSA FT2, IEC 60332-2-2  Oil resistance IEC 60811-404  Chemical resistance good Other resistances good resistance to gasoline, resistant to hydrolysis, resistant to microbes  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  No. of bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Travel speed (C-track) 3 m/s @ 25 °C  Acceleration (C-track) 10 m/s² @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Operating temperature min. (drag chain)	-25 °C
Oil resistance IEC 60811-404  Chemical resistance good  Other resistances good resistance to gasoline, resistant to hydrolysis, resistant to microbes  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  No. of bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Travel speed (C-track) 3 m/s @ 25 °C  Acceleration (C-track) 10 m/s² @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Chemical resistance good Other resistances good resistance to gasoline, resistant to hydrolysis, resistant to microbes Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  No. of bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Travel speed (C-track) 3 m/s @ 25 °C  Acceleration (C-track) 10 m/s² @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Other resistances good resistance to gasoline, resistant to hydrolysis, resistant to microbes  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  No. of bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Travel speed (C-track) 3 m/s @ 25 °C  Acceleration (C-track) 10 m/s² @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Oil resistance	IEC 60811-404
Bending radius (fixed)  5 × Outer diameter  Bending radius (dynamic)  10 × Outer diameter  No. of bending cycles (C-track)  10 Mio. @ 25 °C  Traversing distance (C-track)  10 m @ 25 °C   horizontal  Travel speed (C-track)  3 m/s @ 25 °C  Acceleration (C-track)  10 m/s² @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Chemical resistance	good
Bending radius (dynamic) 10 × Outer diameter  No. of bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Travel speed (C-track) 3 m/s @ 25 °C  Acceleration (C-track) 10 m/s² @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
No. of bending cycles (C-track)  10 Mio. @ 25 °C  Traversing distance (C-track)  10 m @ 25 °C   horizontal  Travel speed (C-track)  3 m/s @ 25 °C  Acceleration (C-track)  10 m/s² @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Bending radius (fixed)	
Traversing distance (C-track)  10 m @ 25 °C   horizontal  Travel speed (C-track)  3 m/s @ 25 °C  Acceleration (C-track)  10 m/s² @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Bending radius (dynamic)	10 × Outer diameter
Travel speed (C-track)  Acceleration (C-track)  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	No. of bending cycles (C-track)	
Acceleration (C-track)  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Traversing distance (C-track)	10 m @ 25 °C   horizontal
No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Travel speed (C-track)	3 m/s @ 25 °C
Torsion stress ± 180 °/m	Acceleration (C-track)	10 m/s² @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min