

## M12 female 0° A-cod. with cable shielded

PUR 8x0.25 shielded bk UL/CSA+drag ch. 4m

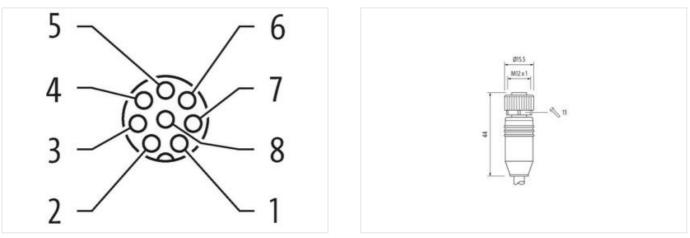
Female straight M12, 8-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration



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Product may differ from Image



4 m

0,6 Nm

Cable length

## Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



Cataling contractop/of planedCataling contractM12 x 1TrendM12 x 1Material contactCopper alloyMaterial contactCopper alloyMaterial contactPURNo. of poles8With arrows fairsSW13Dargue of protection (EN EC 60529)PEG. PEGK. PEG7Commercial data27279219ECLASS 5.027279219ECLASS 5.027279219ECLASS 5.027279219ECLASS 5.027279219ECLASS 5.0272600311ECLASS 5.027060311ECLASS 5.127060311ECLASS 5.127060311ECLASS 5.127060311ECLASS 5.127060311ECLASS 5.127060311ECLASS 5.1.27060311ECLASS 5.1.27060311ECLASS 5.1.27060311ECLASS 5.1.27060311ECLASS 5.1.27060311ECLASS 5.1.27060311ECLASS 5.1.27060311ECLASS 5.1.27060311ECLASS 5.1.27060311ECLASS 5.227060311ETM 5.027060311ECLASS 5.1.27060311ETM 5.027060311ECLASS 5.1.27060311ETM 5.027060311ETM 5.027060311ETM 5.027060311ETM 5.027060311ETM 5.027060311EURICH COLLASS 5.027060311EURICH COLLASS 5.027060311Constration Station200Constration Statio	Mounting method	inserted, screwed	
Tread     M12 x1       Material contact     Copper alloy       Material     PUR       No. of polos     8       Wedf across firsts     SW13       Degree of protection (EN IEC 60529)     IPES, IPESK, IPE7       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27050311       ECLASS-7.0     27050311       ECLASS-7.0     27050311       ECLASS-7.0     27050311       ECLASS-7.0     27060311       ECLASS-7.0	Coating contact	gold plated	
Material contactCapper alloyMaterialPURNo. of poles8With across flatsSW13Degree of protection (EN IEC 60520)IP65, IP67, IP67Commercial disEECLASS-8.027279218ECLASS-8.027279218ECLASS-8.027279218ECLASS-8.027279218ECLASS-8.027279218ECLASS-8.027269311ECLASS-8.027060311ECLASS-8.127060311ECLASS-1027060311ECLASS-1127060311ECLASS-12.027060311ECLASS-12.027060311ETMA-0ECO01855Contorns furf number8544420GTIN404827920690Packaging unit1Electrical dis SupplyS0 VOperating voltage AC max.30 VOperating voltage AC max.30 VOperating voltage AC max.30 VOperating voltage AC fuex.2/AElectrical dis SupplyS0 VOperating voltage AC fuex.30 VOperating voltage AC fuex.30 VOperating voltage AC fuex.30 VContent to protection Flectricat2/AElectrical dis SupplyS0 VOperating voltage AC fuex.30 VOperating voltage AC fuex.30 VOperating voltage AC fuex.30 VOperating voltage AC fuex.30 VContent to protection flectricat30 VElectrical dis SupplyS0 VOperating voltage AC fuex.30 V	Family construction form	M12	
Material     PUR       No. of poles     8       No. of poles     8       Witch across fists     SW13       Dagree of protection (EN EC 60529)     IPES, IPE0K. IPE7       Commercial data     27279218       ECLASS 5.0     27279218       ECLASS 5.1     27279218       ECLASS 5.0     27279218       ECLASS 5.0     27279218       ECLASS 5.0     27279218       ECLASS 5.1     27060311       ECLASS 5.10     27060311       ETM 5.0     ECO01855       cuatoms fauff number     8544280       GTIN     49487206200       Packaging unit     1       Electrical data 1 Suppt     Comentiog voltage AC max.       Operating voltage AC max.     30 V       Operating voltage AC (UL-listed)     30 V       Current Operating Der contact max.     2 A       Electrical data	Thread	M12 x 1	
No. of poles     0       With access flas     SW13       Degree of protection (EN EC 60529)     IPES, IPESK, IPEST       Commercial data     27279218       ECLASS 6.0     27279218       ECLASS 7.0     27279218       ECLASS 8.0     27279218       ECLASS 8.0     27279218       ECLASS 9.0     27260311       ECLASS 9.0     27060311       ECLASS 9.1     27060311       ECLASS 1.1     2706031       ECLASS 1.1     2706031       ECLASS 1.1     2706031       ECLASS 1.1     2706031       Colass 1.1	Material contact	Copper alloy	
With     W13       Dagree of protection (EN IEC 68029)     M95, IP66K, IP67       Commercial data     E       ECLASS 6.0     27279218       ECLASS 6.1     27279219       ECLASS 6.0     27060311       ECLASS 7.0     27060311       ECLASS 7.0     27060311       ECLASS 12.0     27060311       ECLASS 12.0     27060311       ECLASS 12.0     27060311       ETM-5.0     EC001855       customs faults     1       ECHASS 12.0     27060311       ETM-5.0     EC001855       customs faults     1       Electrical data [ Supply     U       Operating voltage AC max.     30 V       Operating voltage AC Max.     30 V       Operating voltage AC (UL-listed)     30 V       Current operating voltage DC (UL-listed)     30 V       Current operating voltage DC (UL-listed)     30 V       Evaltomat cond	Material	PUR	
Degree of protection (EN IEC 60529)     IP66, IP66K, IP67       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279219       ECLASS-7.0     27279219       ECLASS-6.0     27279219       ECLASS-7.0     27279219       ECLASS-7.0     27260311       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     2706031       ECLASS-7.0     2706031       ECLASS-7.0     2706031       ECLASS-7.0     2706031       Commercial data     92040       Caustoms tariff number     85444290       caustoms tariff number     85444290       Caustoms tariff number     85444290       Caustoms tariff number     8044290       Operating voltage AC max.     90 V       Operating voltage AC max.     90 V       Operating voltage AC max.     90 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Additital confition protect	No. of poles	8	
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ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-1.1     27060311       ECLASS-1.0     27060311       ECLASS-1.0     2706031       ECLASS-1.0     2706031       ECLASS-1.0     2706031       ECLASS-1.0     2706031       ECLASS-1.0     2706031       ECLASS-1.0     2706031       Castoms tariff number     8544290       customs tariff number     8544290       Customs tariff number     8544290       Castoms tariff number     80 V       Operating voltage Comax.     30 V       Operating voltage Comax.     30 V       Operating voltage Comax.     30 V       Operating voltage Comoder max.     2 A       Exteriot of a score of max.     30 V       Current operating voltage Comoder max.     2 A       Exteriot of a score of max.     30 V	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
ECLASS-6.1     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-13.1     27060311       ECLASS-14.0     27060311       ECLASS-15.0     27060311       ECLASS-16.0     27060311       ECLASS-11.1     27060311       ECLASS-11.1     27060311       ECLASS-11.1     27060311       ECLASS-11.1     27060311       ECLASS-11.1     2706031       ECLASS-11.1     2706031       ECLASS-12.0     2706031       ECLASS-13.0     2706031       ECLASS-14.0     4048379520680       Packaging unit     1       Edectrical data I Suppy     20       Operating voltage AC (nax.     30 V       Operating voltage AC (UL-listerd)     30 V       Current operating aper contact max.     2 A       Isstation I fonction     M12 x 1       Device protection I Electrical	Commercial data		
ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     2760311       ECLASS-10.1     2760311       ECLASS-11.1     27060311       ECLASS-12.0     2760311       ECLASS-12.0     2760311       ECLASS-12.0     27060311       ECLASS-12.0     2760311       ETM-5.0     EC001855       customs tarilf number     8544290       GTIN     40487520690       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC (UL-listed)     30 V       Additional condition protection degree     3       Rated storge Voltage	ECLASS-6.0	27279218	
ECLASS-8.0 27279218   ECLASS-9.0 27060311   ECLASS-9.0 27060311   ECLASS-1.1 27060311   ECLASS-12.0 27060311   ECLASS-12.0 27060311   ECLASS-13.0 EC001655   customs tartiff number 65444290   GTIN 4048979520690   Packaging unit 1   Electrical datal Supply Electrical datal Supply   Operating voltage AC max. 30 V   Operating voltage AC (UL-listed) 30 V   Custom operating approxement 2 A   Installation   Connection Mit2 x 1   Device protection   Electrical Mit2 x 1   Additional condition protection degree 3   Rated surge voltage 0.8 kV   Material group (IEC 60684-1) 1   Motinal data   Material data Zinc die-casting	ECLASS-6.1	27279218	
ECLASS-9.0 27060311   ECLASS-10.1 27060311   ECLASS-11.1 27060311   ECLASS-12.0 27060311   ECLASS-12.0 27060311   ECLASS-13.0 27060311   ECLASS-14.0 27060311   ECLASS-15.0 EC001855   oustoms taiff number 8544290   GTIN 4049879520690   Packaging unt 1   Electrical data [Supply O   Operating voltage AC max. 30 V   Operating voltage AC max. 30 V   Operating voltage AC (UL-Isted) 30 V   Operating voltage AC (UL-Isted) 30 V   Operating voltage AC (UL-Isted) 30 V   Operating voltage DC (UL-Isted) 30 V   Current operating per contact max. 2 A   Installation I Connection M12 x 1   Device protection I Electrical Material ators (E 0 6664-1)   Atterial ators (E 0 6664-1) 1   Material ators (E 0 6664-1) 1   Material ators (E 0 6664-1) 1   Material ators (E 0 6664-1) 1 </td <td>ECLASS-7.0</td> <td>27279218</td>	ECLASS-7.0	27279218	
ECLASS-10.1     27060311       ECLASS-11.0     27060311       ECLASS-12.0     27060311       ETM-5.0     EC001855       customs tariff number     85444290       GTIN     404887950690       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage COLL-listed)     30 V       Addition   Connection     Inserted. screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Methalical data   Material data     Zmc dive asting       Material screw connection     Zmc dive asting       Material screw	ECLASS-8.0	27279218	
ECLASS-11.1 27060311   ECLASS-12.0 27060311   ETM-S.0 EC001855   oustoms taiff number 8544290   GTN 4048879520890   Packaging unit 1   Electrical data   Supply Correction   Operating voltage AC max. 30 V   Operating voltage AC (Li-listed) 30 V   Operating voltage AC (Li-listed) 30 V   Current operating per contact max. 2 A   Installation   Connection M12 x 1   Bevice protection   Electrical Additional condition protociton degree   Additional condition protociton degree 3   Rated surge voltage 0.8 kV   Material group (IEC 60664-1) 1   Mechanical data   Material data Incele-assing   Material serve connection Zinc die-cassing   Mechanical data   Mounting data Inserted, screwed, Shaking protection   Mounting method inserted, screwed, Shaking protection   Devicemental characteristics   Climatic Comparing temperature min.   Operating temperature min. -25 °C   Operating temperature min. -25 °C   Operating temp	ECLASS-9.0	27060311	
ECLASS-12.0 27060311   ETIM-5.0 EC001855   oustoms tariff number 85444290   GTIM 404875520690   Packaging unit 1   Electrical data   Supply   Operating voltage DC max. 30 V   Operating voltage DC max. 2 A   Installation   Connection M12 x 1   Device protection   Electrical M12 x 1   Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 0,8 kV   Material group (IEC 60664-1) 1   Device data   Material data 2 inc dia- casting <td>ECLASS-10.1</td> <td>27060311</td>	ECLASS-10.1	27060311	
ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4048879520690       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Operating per contact max.     2 A       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)     1       Mechanical data   Material data     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connectrist   Silmatic	ECLASS-11.1	27060311	
customs tariff number   85444290     GTIN   4048879520690     Packaging unit   1     Electrical data   Supply   Operating voltage AC max.     Operating voltage AC max.   30 V     Operating voltage AC max.   30 V     Operating voltage AC (LI-listed)   30 V     Current operating per contact max.   2 A     Installation   Connection   Installation   Connection degree     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   3     Rated surge voltage   0.8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating of fitting     Coating of fitting   nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Mechanical data   Mounting data   Sinserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating on cable quality     Operating temperature min.   -25 °C     Operating temperature min.   -25 °C     Operating temperature min.   -25 °C	ECLASS-12.0	27060311	
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Operating voltage AC max.     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     2 A       Installation [Connection     Installation [Connection]       Mounting set     M12 x 1       Device protection   Electrical			
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Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     2 A       Installation   Connection     Mux 1       Device protection   Electrical     M12 x 1       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     Coating locking       Coating locking     Nickeled       Coating locking     Nickeled       Locking material     Zinc die-casting       Material screw connection     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 bending radius       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.			
Current operating per contact max.   2 A     Installation   Connection   Mul2 x 1     Device protection   Electrical   Mul2 x 1     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   Coating of fitting     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Meterial screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.			
Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical			
Mounting set   M12 x 1     Device protection   Electrical   Inserted, screwed     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   Incelled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Note on strain relief     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.			
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   Coating locking     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     A5 °C   Additional condition temperature range     depending on cable quality   Important installation notes     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		M12 × 1	
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   Coating locking     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Note on strain relief     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.			
Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Ab 5 °C   Additional condition temperature range     depending on cable quality   Important installation notes     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	• •		
Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking   Nickeled     Coating locking   Nickel plated   I     Locking material   Zinc die-casting   Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method   inserted, screwed, Shaking protection   Material screw connection     Environmental characteristics   Climatic   Operating temperature min.   -25 °C   Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality   Important installation notes   Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.			
Material group (IEC 60664-1)   I     Mechanical data   Material data   Nickeled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   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.			
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Product standard

DIN EN 61076-2-101 (M12)

Installation   Cable	
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable identification	717
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	8 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable weigth	66 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	7 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	РР
Amount wires	8
Outer diameter insulation	1,2 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0.25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire -	
jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 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
UV resistance	DIN EN ISO 4892-2 A
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	Good, application-related testing   DIN EN 60811-404
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)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
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Torsion stress

Torsion speed

± 30 °/m 35 cycles/min

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