

## M12 female 0° A-cod. with cable 3LED

PUR 4x0.34 gy UL/CSA+drag ch. 5m

Female straight M12, 4-pole

3× LED (PNP)

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

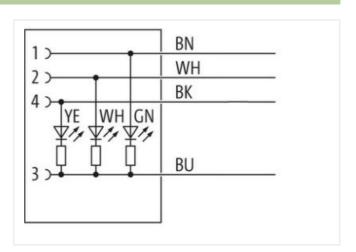
Plastic housings with good resistance against chemicals and oils.

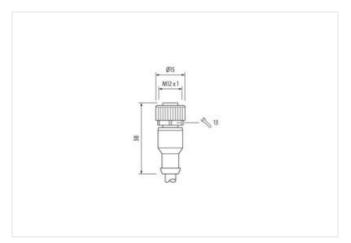
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

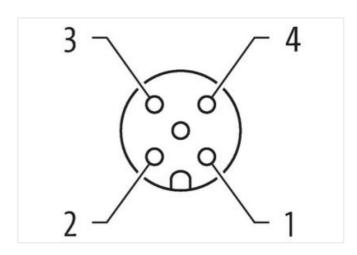
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

5 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-19



stay connected

Family construction form	Mounting method	inserted, screwed
Thread		·
Coding		
Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-13.1         4048879537896           Packaging unit         1           Electrical data [supply           Operating voltage DC mix.         30 V           Operating voltage DC mix.         4 A           Operating voltage DC mix.         4 A           Objactics         30 V           Status indication LED         green, white, yellow <tr< td=""><td></td><td></td></tr<>		
Width across litats   SW13	<u> </u>	
Degree of protection (EN IEC 60529)   IP65, IP66K, IP67	No. of poles	4
Commercial data	'	SW13
Commercial data	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879537896           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication LED         green, white, yellow           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 80664-1)         1           Mechanical data   Material data           Coating forting         nickel plated           Locking material         Zinc die-casting		
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879537896           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication LED         green, white, yellow           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 80664-1)         1           Mechanical data   Material data           Coating forting         nickel plated           Locking material         Zinc die-casting	FCLASS-6 0	27279218
ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879537896           Packaging unit         1           Electrical data   Supply           Operating voltage DC min.           18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         green, white, yellow           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 of fitting           Locking material         Zinc die-casting		
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879537896           Packaging unit         1           Electrical data   Supply           Operating voltage DC           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         green, white, yellow           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           Coating fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc di		
ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879537896           Packaging unit         1           Electrical data   Supply           Operating voltage DC           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         green, white, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting		
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879537896           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication Connection         M12 x 1           Device protection   Electrical         M12 x 1           Device protection   Electrical         Additional condition protection degree inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEGe 60664-1)         I           Mechanical data   Material data         Coating locking           Coating locking         Nickeled           Coating locking         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting		
ECLASS-12.0 27060311  ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879537896 Packaging unit 1  Electrical data   Supply Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED green, white, yellow  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)    Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting		
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879537896 Packaging unit 1  Electrical data   Supply Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED green, white, yellow Installation   Connection  Mounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,3 kV  Material group (IEC 60664-1) I  Mechanical data   Material data Coating locking Nickeled Coating locking Nickeled Coating locking nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting		
customs tariff number 85444290 GTIN 4048879537896 Packaging unit 1  Electrical data   Supply Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED green, white, yellow 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 Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting		
GTIN 4048879537896  Packaging unit 1  Electrical data   Supply  Operating voltage DC 24 V  Operating voltage DC min. 18 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Diagnostics  Status indication LED green, white, yellow  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 Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection Zinc die-casting		
Packaging unit    Electrical data   Supply		
Electrical data   Supply  Operating voltage DC 24 V  Operating voltage DC min. 18 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Diagnostics  Status indication LED green, white, yellow  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 Nickeled  Coating of fitting nickel plated  Locking material  Material screw connection Zinc die-casting  Material screw connection Zinc die-casting	Packaging unit	
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Operating voltage DC max. 30 V Current operating per contact max. 4 A  Diagnostics  Status indication LED green, white, yellow  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 Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting		
Current operating per contact max. 4 A  Diagnostics  Status indication LED green, white, yellow  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 Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting		
Status indication LED green, white, yellow  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 Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting		
Status indication LED green, white, yellow  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 Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting		
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 Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting		
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 Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Status indication LED	green, white, yellow
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 Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Installation   Connection	
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 Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Mounting set	M12 x 1
Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Device protection   Electrical	
Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Nickeled  Coating of fitting  nickel plated  Locking material  Zinc die-casting  Material screw connection  Zinc die-casting	Pollution Degree	3
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting	Rated surge voltage	0,8 kV
Coating locking  Nickeled  Coating of fitting  nickel plated  Locking material  Zinc die-casting  Material screw connection  Zinc die-casting	Material group (IEC 60664-1)	I
Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Mechanical data   Material data	
Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting	Coating locking	Nickeled
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting		nickel plated
Material screw connection Zinc die-casting		<u>·</u>
		Zinc die-casting
Mechanical data   Mounting data	Mechanical data   Mounting data	
Mounting method inserted, screwed, Shaking protection		inserted screwed Shaking protection
		montos, solomos, charang protoston
Environmental characteristics   Climatic		05.00
Operating temperature min25 °C	· · · ·	
Operating temperature max. 85 °C		
Additional condition temperature range depending on cable quality		depending on cable quality
Important installation notes	Important installation notes	
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Note on strain relief	
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.	Note on bending radius	
Conformity	Conformity	
Product standard DIN EN 61076-2-101 (M12)	Product standard	DIN EN 61076-2-101 (M12)

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## stay connected

Cable Type         3           Jacket Color         gray           Type of Certificate         CURUS           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         68.3 g/m           Material jacket         PUR           Shore hardness jacket         90.1.5 Shore A           Freadom from ingredients (jacket)         18.4 Free           Outer diameter (sheath)         2.5 %           Material wire insulation         PP           Tolerance outer diameter (sheath)         2.5 %           Material wire insulation         PP           Amount streams wire insulation         1.25 rm           Outer diameter freeness wire insulation         1.25 rm           Ingredient freeness wire insulation         1.25 fm           Outer diameter (sheath)         1.25 %           Shore bardness wire insulation         1.25 fm           Outer diameter (sheath)         1.0 %           Shore bardness wire insulation         1.25 % <tr< th=""><th>Installation   Cable</th><th></th></tr<>	Installation   Cable	
Cable Type         3           Jacket Color         gray           Type of Certificate         CURUS           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         68.3 g/m           Material jacket         PUR           Shore hardness jacket         90.1.5 Shore A           Freedom from ingredients (jacket)         18.4 Fem.           User diameter (sheath)         4.5 Fem.           Tolerance outer diameter (sheath)         5.5 %           Material wire insulation         PP           Amount wires         4           Quier diameter tolerance orie insulation         1.25 rm           Outer diameter trisulation         70.4.5 Shore D           Shore hardness wire insulation         1.25 rm           Outer diameter tolerance orie insulation         1.25 rm           Outer diameter tolerance wire insulation         10.4 May 1.25 mm           Ingredient flowness wire insulation         70.4 Shore D           Ingredient flowness wire insulation         10.3 May 1.25 mm           Outer dameter tolerands (wire)         42           Diameter of single wires         0.1 mm           Conducter type (	Cable identification	234
Jacket Color   gray	Cable Type	3
Type of Certificate	Jacket Color	gray
Stranding	Type of Certificate	
wire arrangement brown, black, blue, white  36.3 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)  4.5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material livire insulation  PP  Amount wires  4  Outer diameter insulation  1,25 mm  Outer diameter insulation insulation  1,25 mm  Outer diameter insulation insulati	Amount stranding	1
Cable weigith         36,3 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.5 mm           Toferance outer diameter (sheath)         ± 5 %           Meterial wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter 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         42           Diameter of single wires         0,1 mm           Conductor treessection (wire)         42           Diameter of single wires         0,1 mm           Conductor trype (wire)         strand class 6           Traversing distance (C+track)         10 m @ 25 °C  horizontal           Nominal voltage AC max.         300 V           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Dkm @ 20 °C           AC wi	Stranding	4 wires twisted
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from lightedients (jacket)         4.5 mm           Cuter-dismeter (jacket)         4.5 mm           Tolerance outler diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outler diameter insulation         1,25 mm           Outler diameter insulation         1,25 mm           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor or single wires         0,1 mm           Conductor or wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C) horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (witanum wire)         2,5 kW @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kW @ 60 s           Min. operating temperature max. (dynamic)         25 °C           Operating tem	wire arrangement	brown, black, blue, white
Material jacket         PUR           Shore hardness jacket         9½ ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-dismeter (jacket)         4,5 mm           Tolerance outer diameter (hebath)         ± 5 %           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Polameter of single wires         0,1 mm           Conductor oressection (wire)         42           Diameter of single wires         0,1 mm           Conductor oressection (wire)         9,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C  horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE	Cable weigth	36,3 g/m
Shore hardness jacket   90 ± 5 Shore A   Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket)   4,5 mm	Material jacket	
Feedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		90 ± 5 Shore A
Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         19 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of Isingle wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - siacket)         2,5 kV @ 60 s           Min. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         -25 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,26 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)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor vire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298.4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Okm @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (mix. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic	Outer-diameter (jacket)	<u> </u>
Amount wires         4           Outer diameter insulation         1,25 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)         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           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature min. (dynamic)         25 °C 90 °C @ 100000 h Operation           Operating temperature min. (	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation         1,25 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)         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           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - siacket)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature mix. (dynamic)         25 °C           Operating temperature mix. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Poperating temperature mix. (dynamic)         80 °C / 90 °C @ 10000 h Opera	Material wire insulation	PP
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 stands (wire)         42           Diameter of single wires         0,1 mm           Conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 098-4           Electrical resistance line constant wire         4.8 A           AC withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - siackt)         2.5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         Good. application-related testing           Gasoline resistance         Good.	Amount wires	4
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)         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           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - aickt)         40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         IEC 60332-2-2   LI L 1581 § 1909   LL 1581 § 1100 FT2           chemical resistance         Good, appli	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation 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 Traversing distance (C-track) 10 m @ 25 °C   horizontal Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity (standard) Ciurent load capacity win- wire Electrical resistance line constant wire AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Min. operating temperature (static) A0 °C Max. operating temperature (mixed) 80 °C / 90 °C @ 10000 h Operation Plame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Flending radius (fixed) 5 × Outer diameter Travel speed (C-track) 10 Nio. @ 25 °C No. of torsion cycles 2 Min. Torsion stress  ± 180 °/m	Outer diameter tolerance core insulation	± 5 %
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           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - acket)         2,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           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<	Shore hardness wire insulation	70 ± 5 Shore D
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           Traversing distance (C-track)         10 m @ 25° C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - glacket)         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         IEC 60332-2-2   UL 1581 § 1990   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 × Outer diameter           Bending radius (dynamic)         10 x Ou	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crossection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4.8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Bending radius (fixed)         5 × Outer diameter           Travel speed (C-track)         10 Mio. @ 25 °C	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 °D/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - iacket) 40 °C  Max. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic) 25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2 chemical resistance  Gasoline resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles ± 180 °/m	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 \( \textit{ D/km} \) @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV \( \textit{ 60 s} \) 8  Power frequency withstand voltage (wire - alack) 40 °C  Max. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic) 25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Electrical resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing  Din Ending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Traversing distance (C-track)  10 m @ 25 °C   horizontal  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4,8 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - alacket)  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  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil 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  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.  300 V Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - acket) min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) Operating temperature max. (dynamic)  Bending resistance Elec 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Ending 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 ± 180 °/m	Conductor type (wire)	strand class 6
Current load capacity (standard)  Current load capacity min. wire  4.8 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - lacket)  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Elec 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity min. wire  4,8 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - iacket)  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  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  Flamel radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2.5 kV @ 60 s  Power frequency withstand voltage (wire - iacket) 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 IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - iacket)  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  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Bo °C / 90 °C @ 10000 h Operation  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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 × Outer diameter  Bending radius (dynamic)  10 × Outer diameter  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Min. operating temperature (static)  Max. operating temperature (fixed)  Max. operation (fixed)  Max.	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m	Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2 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  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil 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  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Operating temperature min. (dynamic)	-25 °C
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 Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Oil resistance Good, application-related testing   DIN EN 60811-404  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 2 Mio.  Torsion stress ± 180 °/m	chemical resistance	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 2 Mio.  Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min