

M12 female 90° A-cod. with cable

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

Female 90° M12, 4-pole

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

with cable sleeves

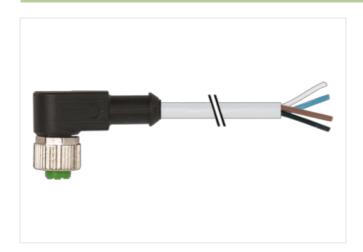
Plastic housings with good resistance against chemicals and oils.

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

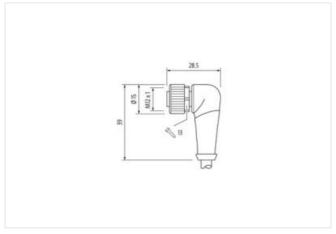
Further cable lengths on request.

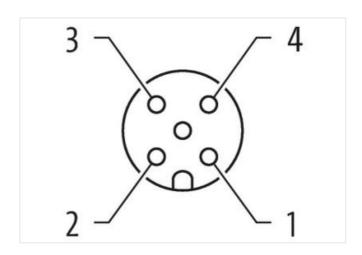
Link to Product

Illustration









Product may differ from Image













Cable length

4 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: 2024-05-09



stay connected

Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Material contact	Copper alloy
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-7.0	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	4048879206983
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	I .
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
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



stay connected

Side on stain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable side. Attention: Observe the permissible bending sadi when laying cables, as the IP protection class can be endagered by excessive bending forces. Conformity Product standard DIN EN 81076-2-101 (M12) Installation Cable Insta	Additional condition temperature range	depending on cable quality
Autonomic Season of Statin rolled Protection by suitable measures from mechanical loads, e.g. by the usage of cable lies. Attention: Observe the permissible bonding rad when laying cables, as the IP protection class can be endangred by excessive bending forces. Conformity Product standard Installation Dish Existing Season Dish Existing	, ,	
Anterioric Ciserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contomity Product standard DNE N 61076-2-101 (M12) Initialistical Cable Sable Typo 3 Sable Typo 4 Sable Typo 3 Sable Typo 4 Sable Sabl	•	District the connectors by suitable meaning from markeying leads on the the connector ship in
installation Cabbe Conforming Young Standard DIN EN 61076 2-101 (M12) Installation Cabbe Cabbe	Note on strain relief	
Installation Cabbe	Note on bending radius	endangered by excessive bending forces.
Installation Cable Zable Ingress Jack Color Jorgy Jord Conflicate Jord Color Jorgy Jord Conflicate Jord Color Jord	Conformity	
Cable Imperiment Imperiment Cable Imperiment I	Product standard	DIN EN 61076-2-101 (M12)
Stacket Color	Installation Cable	
International Color Gray Gray	Cable identification	234
International Color Gray Gray	Cable Type	
Cype of Certificate CURus	Jacket Color	
Stranding	Type of Certificate	
wire arrangement brown, black, blue, white Fravering distance (C-track) 10 m @ 25 °C horizontal Jable weight 36,3 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A readom from ingredients (jacket) 4,5 mm Colerance outer diameter (jacket) 4,5 mm Colerance outer diameter (schaalh) ± 5 % Attential wine subtation PP Amount wires 4 Obter diameter insulation PP Amount wires 4 Obter diameter obterance core insulation ± 5 % Shore hardness wire insulation ± 6 % Obter diameter of single wires 70 ± 5 Shore D Ingredient freeness wire insulation ± 6 % Advanced stream of single wires 0,1 mm Conductor to ressection (wire) 0,3 mm² Diameter of single wires 0,1 mm Conductor type (wire) strand class 6 Conductor type (wire) strand class 6 Conductor type (wire) strand class 6 Command vire general (standard) to DIN VDE 0298-4 <	Amount stranding	1
Fraversing distance (C-track) 10 m @ 25 °C horizontal 2able weight 36.3 g/m 36.3	Stranding	4 wires twisted
Cable weigh 36,3 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 4,5 mm Orderance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Upter diameter loterance core insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Impredient freeness wire insulation 70 ± 5 Shore D Impredient freeness wire insulation 70 ± 5 Shore D Impredient freeness wire insulation 42 Dameter of single wires 0,1 mm Conductor crosssection (wire) 42 Dameter of single wires 0,1 mm Conductor type (wire) stranded copper wire, bare Meterial conductor wire Stranded copper wire, bare Sondical votage (wire) strand class 6 Nominal voltage AC max. 300 V Durrent load capacity (standard) to DIN VDE 0298-4 Durrent load capacity (standard) <t< td=""><td>wire arrangement</td><td>brown, black, blue, white</td></t<>	wire arrangement	brown, black, blue, white
Material jacket PUR Shore hardness jacket 90 ± Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 4,5 mm Follerance outer diameter (jacket) ± 5 % Material wire insulation PP Amount wires 4 Duter diameter insulation 1,25 mm Obter diameter rollerance core insulation 1,25 mm Obter hardness wire insulation 10 ± Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Jameler of single wires 0,1 mm Conductor or crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Vormal Voltage AC max. 300 V Zurrent load capacity (standard) to DIN VDE 298-4 Current load capacity (wire) 4,8 A Clicertical resistance line constant wire 57 D/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power freq	Traversing distance (C-track)	10 m @ 25 °C horizontal
Shore hardness jacket 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free Silicone-free Soluter-diameter (jacket) 4.5 mm Foluter-diameter (jacket) 4.5 mm Foluter-diameter (jacket) 4.5 mm Foluter-diameter (sheath) 4.5 mm Foluter-diameter (sheath) 4.5 mm Foluter-diameter insulation PP Amount wires Julier diameter insulation 1.25 mm Duter diameter tolerance core insulation 2.5 mm Duter diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.25 mm Duter diameter solver insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.25 mm Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 4.2 Diameter of single wires 0,1 mm Conductor vive Stranded copper wire, bare Conductor vive (wire) stranded copper wire, bare Conductor type (wire) strand class 6 Committed 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 win. wire 4.8 A Electrical resistance line constant wire 57 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Willin. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Deparating temperature min. (dynamic) 2.5 °C Deparating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Elementer esistance Good, application-related testing Din resistance Good, application-related testing Din resistance Good, application-related testing Din Riv Good Sending radius (flyramic) 10 x Outer diameter Foreview foreviewed 4.80 °C / 90 °C @ 10000 h Operation Foreviewed Foreviewed	Cable weigth	36,3 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Shore hardness jacket	90 ± 5 Shore A
Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Duter diameter insulation 1,25 mm Duter diameter roberance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D mgredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Denductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Denductor type (wire) strand class 6 Nominal voltage AC max. 300 V Durrent load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Q/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Dower frequency withstand voltage (wire - wire) 2.5 kV @ 60 s Shore hard preparature (fixed) 80 °C / 90 °C @ 10000 h Operation Deparating temperature (mixed) 80 °C / 90 °C @ 10000 h Operation Deparating temperature max. (dynamic) 48 °C / 90 °C @ 10000 h Operation Deparating temperature max. (dynamic) 5 x Outer diameter Electical resistance Good, application-related testing Diff resistance Good, application-related testing Diff resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Flavel Speed (C-frack) 10 Mio. 25 °C Not of torsion sycles 2 Mio.	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 4 Uoter diameter insulation 1,25 mm Duter diameter tolorance 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 Vominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity inin, 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 Vower frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Voyer prequency withstand voltage (wire - wire) 2,5 kV @ 60 s Voyer frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Voyer prequency withstand voltage (wire - wire) 2,5 kV @ 60 s Deperating temperature (istad)	Outer-diameter (jacket)	4,5 mm
Amount wires 4 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation 5 % Shore hardness wire insulation 10 ± 5 % Shore hardness wire insulation 10 ± 5 % Shore hardness wire insulation 10 ± 5 % Amount strands (wire) 42 Diameter of single wires 0,1 mm Donductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Durrent load capacity (standard) 10 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 Dower frequency withstand voltage (wire - acceptance) 2,5 kV @ 60 s Awx. operating temperature (static) 40 °C Max. operating temperature (static) 80 °C /9 °C @ 10000 h Operation Deparating temperature mix. (dynamic) 25 °C Deparating temperature max. (dynamic) 80 °C /9 °C @ 10000 h Operation Deparating temperature mix. (dynamic) 80 °C /9 °C @ 10000 h Operation Deparating temperature mix. (dynamic) 80 °C /9 °C @ 10000 h Operation Deparating temperature mix. (dynamic) 80 °C /9 °C @ 10000 h Operation Deparating temperature mix. (dynamic) 80 °C /9 °C @ 10000 h Operation Deparating temperature mix. (dynamic) 80 °C /9 °C @ 10000 h Operation Di resistance Good, application-related testing Basoline resistance Good, application-related testing Di resistance Good, application-related testing Bending radius (fixed) 5 × Outer diameter Flavel speed (C-track) 10 Mio. @ 25 °C Vo. of torsion cycles 2 Mio.	Tolerance outer diameter (sheath)	±5%
Duter diameter insulation 1,25 mm	Material wire insulation	PP
Duter 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 Volument 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 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 - wire) 2,5 kV @ 60 s Wiln. operating temperature (static) 40 °C Wax. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Deperating temperature min. (dynamic) 25 °C Deperating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance ICC 60332-2-2 IUL 1581 § 1090 IUL 1581 § 1100 FT2 Chemical resistance	Amount wires	4
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 Donductor crosssection (wire) 0,34 mm² 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 4,8 A Clicetrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s - 2,5 kV @ 60 s - 3	Outer diameter insulation	1,25 mm
Image Imag	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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Current load capacity min. wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Cower frequency withstand voltage (wire - 20 cover fr	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 Sonductor 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 4,8 A Electrical resistance line constant wire 57 (\(\triangle \triangle \tri	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 4.8 A Electrical resistance line constant wire 37	Amount strands (wire)	42
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 4,8 A Electrical resistance line constant wire 57 \(\nabla \) k \(\text{ 60 s} \) Ower frequency withstand voltage (wire - wire) 2,5 kV \(\text{ 60 s} \) Cover frequency withstand voltage (wire - wire) 2,5 kV \(\text{ 60 s} \) Volume at the presentance (fixed) 80 °C / 90 °C \(\text{ 60 s} \) Coperating temperature (fixed) 80 °C / 90 °C \(\text{ 60 loon to Poperating temperature min. (dynamic)} 2.25 °C Departing temperature max. (dynamic) 80 °C / 90 °C \(\text{ 60 loon to Poperating temperature max. (dynamic)} \) Elame resistance IEC 60332-2-2 UL 1581 \(\frac{1}{3} \) 1090 UL 1581 \(\frac{1}{3} \) 1100 FT2 Chemical resistance Good, application-related testing Did resistance Good, application-related testing Did resistance Good, application-related testing Coll resistance Good, application-related testing DIN EN 60811-404 Sending radius (fixed) 5 × Outer diameter Fravel speed (C-track) 10 Mio. \(\text{ 25 °C} \) No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Diameter of single wires	0,1 mm
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 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 Vin. 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 Elame resistance IEC 60332-2-2 IL I 1581 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Sending radius (fixed) 5 × Outer diameter Gending radius (dynamic) 10 × Outer diameter Fravel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Conductor crosssection (wire)	0,34 mm²
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 Deparating temperature min. (dynamic) 25 °C Deparating temperature max. (dynamic) Elec 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing Bending radius (fixed) 5 × Outer diameter Fravel speed (C-track) No. of torsion cycles ± 180 °/m	Material conductor wire	Stranded copper wire, bare
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 Cower frequency withstand voltage (wire - acket) Acket) Acket) Acket Ack	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 \(\text{C} \text{I/W} \circ 20 \circ C \) AC withstand voltage (wire - wire) 2,5 kV \(\circ 60 \circ 8 \circ 8 \circ 4 \circ 6 \circ 8 \circ	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 - acket) 2.5 kV @ 60 s Win. 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 Schemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Gending radius (fixed) 5 x Outer diameter Fravel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 2,5 kV @ 60 s 2,5 kV @ 60 s Win. operating temperature (static) 40 °C Max. operating temperature (fixed) Departing temperature min. (dynamic) Departing temperature max. (dynamic) Elame resistance Good, application-related testing Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Fravel 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 - acket) Alin. operating temperature (static) Alin. operating temperature (fixed) Alin. operating temperature min. (dynamic) Bleed 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Consider resistance Alin. operating temperature min. (dynamic) Bleed 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Consider resistance Alin. operating temperature min. (dynamic)	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Acket) Alin. operating temperature (static) Alin. operating temperature (fixed) Bo °C / 90 °C @ 10000 h Operation Deperating temperature min. (dynamic) Coperating temperature max. (dynamic) Coperating temperature max. (dynamic) Bo °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Coperating temperature max. (dynamic) Coperating temperature max. (dynamic) Bo °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Coperating temperature max. (dynamic) Good, application-related testing Coperating resistance Good, application-related testing Coperating temperature min. (dynamic) Souther dependent of the properation of	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed) Deperating temperature min. (dynamic) -25 °C Deperating temperature max. (dynamic) Elame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Fravel speed (C-track) No. of torsion cycles ± 180 °/m	Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
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 Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Fravel speed (C-track) No. of torsion cycles ± 180 °/m	Min. operating temperature (static)	-40 °C
Departing 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 Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Fravel speed (C-track) No. of torsion cycles 2 Mio. Forsion stress ± 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 Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Fravel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Fravel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Fravel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Dil 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 Fravel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter Fravel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Forsion 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
Forsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Forsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

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: 2024-05-09

Product-PDF for Article 7000-12341-2340400

