

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

TPE 3x22AWG ye UL/CSA, ITC/PLTC 1m

Art.No.: 7700-40701-U030100

Weight: 0.108 Country of origin: DE

Model designation: MSAYTL0-BRU03 1.0-BRU03 1.0

Y-connector M12 - M12, 4/3-pole Male straight - females straight

USA

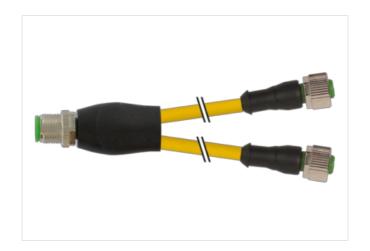
Plastic housings with good resistance against chemicals and oils.

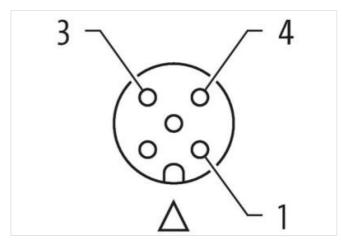
The resistance to aggressive media should be individually tested for your application. Further details on request.

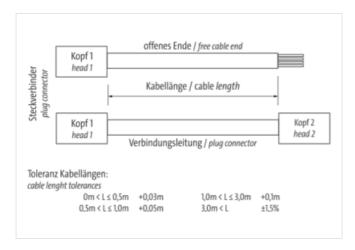
Further cable lengths on request.

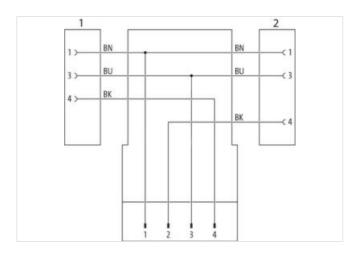
## **Link to Product**

## Illustration



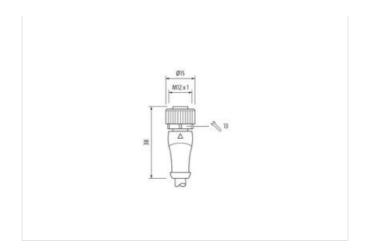


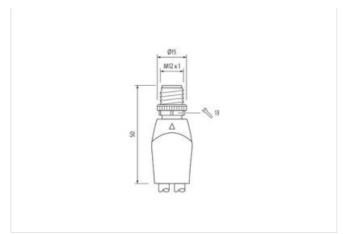


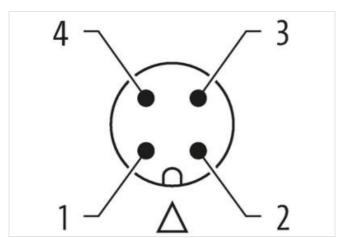




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Product may differ from Image











Cable length	1 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Gender	female
Cable outlet	straight
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-05-13



Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Gender	female
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	straight
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 3	
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Coding	A
Material contact	Copper alloy
No. of poles	4
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Gender	male
Cable outlet	straight
Tightening torque	0,6 Nm
Width across flats	SW13
Thread	M12 x 1
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060313
ECLASS-11.1	27060313
ECLASS-12.0	27060313
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879753784
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
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	
Material housing	PUR
Coating locking	Nickeled
Material gasket	FKM

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Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Locking material	Zinc die-casting
Reuning method   Insertied, screwed, Shaking protection		Zinc die-casting
Environmental characteristics   Climatics   Coparating responsature max.   26 °C   Coparating responsature max.   86 °C   Additional condition temperature range   depending on cable quality   Important installation notes   Note on stain rister   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.   Note on bending radius   Afentions Cheene the permissible bending radii when isying cables, as the IP protection class can be endangered by excessive bending forces.   Contemity   Product standard   DIN EN 61076-2-101 (M12)   Installation Cable   Wire arrangement   Drown, Black, Blue   Cable identification   U03   Jacket Color   yellow   Type of Certificate   Din En 61076-2-101 (M12)   Stranding   3 wires twisted   Stranding   3 wires twisted   Stranding   35,37 g/m   Material picket   TPE   Freedom from Ingredients (jacket)   4,9 mm   Tolerance outer diameter (jacket)   4,5 mm   Tolerance outer diameter (jacket)   1,27 mm   Outer diameter insulation   1,28 min   Material picket   1,28	, , , , ,	
Operating temperature min. 425 °C Operating temperature max. 85 °C Operating temperature max. 85 °C Operating temperature max. 85 °C Additional condition retempeature 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 size.  Alterion: Clearve the permissible bonding radii when laying cables, as the IP protection cleas can be ordinagered by accessive bending forces.  Conformity  Product standard DIN EN 81676-2-101 (M12) Installation (Cable  ***wire arrangement**  **brown, black, blue**  Gable identification U03	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes  Note on strain ratio! Note on strain ratio! Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lises.  Nate on bending radius  Attentions: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending tradii.  In protect damentary cables, as the IP protection class can be end	Environmental characteristics   Climatic	
Additional condition temperature range important installation notes  Note on strain related installation notes  Note on strain related installation notes  Attention: Cocenve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIM En 81076-2-101 (M12)  Installation   Cobe  war auragement brown, black, blue Cable identification U03  Jacked Color yellow Type of Certificate CURUS  Amount stranding 1  Straing 3  War swistled  war sarragement brown, black, blue Cable weigh 15879 ym  Material jacket  TPE  Froudom from ingredients (jacket)  TPE  Froudom from ingredients (jacket)  Telerance cuter diameter (sketar)  4,5 mm  Material jacket  TOEL color diameter (sketar)  4,5 mm  Tollerance cuter diameter (sketar)  5 %  Material wires  3 Courber diameter installation  1,27 mm  Outer diameter installation  1,28 miles  1,29 miles  1,29 miles  1,20 miles  1,2	Operating temperature min.	-25 °C
Important Installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Aftention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Conformity           Product standard         DIN EN 61076 2-101 [M12]           Installation   Cable         Installation   Cable           wite arrangement         brown, black, blue           Cable identification         U.03           Jacked Color         yellow           Type of Certificate         culPlus           Amount stranding         1           Stranding         3 vires twisted           Wire arrangement         brown, black, blue           Cable weight         35,97 gm           Malleral jacked         TPE           Freedom from ingredients (jacken)         4.9 mm           Other-chameter (jacken)         4.9 mm           Order-cance outer diameter (sheath)         5.5 %           Malleral airon outer diameter (sheath)         1.5 7 mm           Outer diameter insulation         1.27 mm           Outer diameter (sheath)         3.9 %           Ingredient freeness wire insulation         1.27 mm           Outer	Operating temperature max.	85 °C
Note on strain relief Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endanged by excessive bending forces.  Contornity  Product standard DIN EN 61076-2-101 (M12)  Installation Cable wire arrangement Cable identification U03  Alacked Color Type of Certificate CuPrus Amount stranding 1 System System Cable identification U04  System System Cable identification U05  System System Cable identification U06  System System University System	Additional condition temperature range	depending on cable quality
Attention: Cosone the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 [M12]  Installation   Cable  Weie arrangement  Cable identification  U03  JacKer Color  yellow  Type of Conflicate  CUPus  Annount stranding  1 Stranding  3 Wires twisted  wire arrangement  brown, black, blue  Cable weight  S5,97 g/m  Muterial jacket  TPE  Froedom from ingradients (jacket)  Lead Free, CFC-free, halogen free  Cutter-diameter (jacket)  Ag. mm  Toleranco outer diameter (sheath)  Cutter-diameter (jacket)  1.27 mm  Cutter diameter (sheath)  Cutter-diameter (sheath)  Cutter-diameter (sheath)  Duter diameter (sheath)  1.27 mm  Cutter diameter (sheath)  Cutter-diameter (sheath)  Duter diameter (sheath)  S4 Wig  Cutter-diameter (sheath)  Annount wries  3 Cutter diameter (sheath)  Duter diameter (sheath)  Annount wries  3 AWG  Cornent load capacity (strandard)  Diameter of single wries  S4 Franded cooper wrie, barre  Norman Voltage AC max.  30 V  Current load capacity (min wrie)  4 Wig 60 s  Power frequency withstand voltage (wrie)  Jek Wig 60 s  Min. operating temperature (mistalc)  Corneling temperature (mistalc)  Min. operating te	Important installation notes	
Attention: Cosone the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 [M12]  Installation   Cable  Weie arrangement  Cable identification  U03  JacKer Color  yellow  Type of Conflicate  CUPus  Annount stranding  1 Stranding  3 Wires twisted  wire arrangement  brown, black, blue  Cable weight  S5,97 g/m  Muterial jacket  TPE  Froedom from ingradients (jacket)  Lead Free, CFC-free, halogen free  Cutter-diameter (jacket)  Ag. mm  Toleranco outer diameter (sheath)  Cutter-diameter (jacket)  1.27 mm  Cutter diameter (sheath)  Cutter-diameter (sheath)  Cutter-diameter (sheath)  Duter diameter (sheath)  1.27 mm  Cutter diameter (sheath)  Cutter-diameter (sheath)  Duter diameter (sheath)  S4 Wig  Cutter-diameter (sheath)  Annount wries  3 Cutter diameter (sheath)  Duter diameter (sheath)  Annount wries  3 AWG  Cornent load capacity (strandard)  Diameter of single wries  S4 Franded cooper wrie, barre  Norman Voltage AC max.  30 V  Current load capacity (min wrie)  4 Wig 60 s  Power frequency withstand voltage (wrie)  Jek Wig 60 s  Min. operating temperature (mistalc)  Corneling temperature (mistalc)  Min. operating te	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard         DIN EN 61076-2-101 (M12)           Installation (Sable)           wire arrangement         brown, black, blue           Cable identification         U33           Jacket Color         yellow           Type of Certificate         cURbus           Amount stranding         1           Stranding         3           Wire arrangement         brown, black, blue           Cable weigh         35.97 gm           Material jacket         TPE           Freedom from ingredients (jacket)         4,9 mm           Otter-diameter (jacket)         4,9 mm           Otter-diameter (jacket)         4,9 mm           Otter-diameter insulation         PVC           Amount wives         3           Outer diameter insulation         PVC           Amount strands (wive)         19           Under diameter insulation         1,27 mm           Under diameter insulation         1,27 mm           Under diameter insulation         1,27 mm           Under diameter insulation         2,4 WG           Under diameter insulation         2,5 %           Ingredient freeness wire insulation         1,27 mm           Under diameter (single wire)         34 AWG <t< td=""><td></td><td>Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be</td></t<>		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Installation   Cable           wire arrangement         brown, black, blue           Cable identification         UD3           Jacked Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         35,97 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Toferance outer diameter (sheath)         ± 5 %           Material wei insulation         PVC           Amount wires         3           Outer diameter insulation         ± 27 mm           Outer diameter insulation         ± 27 mm           Outer diameter insulation         ± 27 mm           Outer diameter volerance ocre insulation         ± 5 %           Image:	Conformity	
Installation   Cable           wire arrangement         brown, black, blue           Cable identification         UD3           Jacked Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         35,97 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Toferance outer diameter (sheath)         ± 5 %           Material wei insulation         PVC           Amount wires         3           Outer diameter insulation         ± 27 mm           Outer diameter insulation         ± 27 mm           Outer diameter insulation         ± 27 mm           Outer diameter volerance ocre insulation         ± 5 %           Image:	Product standard	DIN EN 61076-2-101 (M12)
wire arrangement         brown, black, blue           Cable identification         U03           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         35,97 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,27 mm           Outer diameter insulation         lead-free, CFC-free           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of siley wires         34 AWG           Conductor crossection (wire)         22 AWG           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 (standar		
Cable identification         U03           Jackot Color         yellow           Type of Cortificate         CURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         35,97 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-ree, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (shealth)         5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.27 mm           Outer diameter freeness wire insulation         1.27 mm           Ingredient freeness wire insulation         1.28 mm	·	
Activate Color   Yellow		
Type of Certificate		
Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigh         35,97 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         ± 5 %           Namelial wire insulation         ± 5 %           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Namel references were insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Namel references were insulation         ± 5 %           Macterial vollage (wire)         ± 9           Dameter of single wires         3 4 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VE 0298-4		•
Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         35,97 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Anount wires         3           Outer diameter insulation         1,27 mm           Under diameter tolerance core insulation         1,27 mm           Under diameter tolerance core insulation         1,27 mm           Under diameter tolerance core insulation         lead-free, CFC-free           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         34 AWG           Conductor crosssection (wire)         22 AWG           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 win. wire         6 A           Electrical resistance in constant wire         46 9 C/m           Power freq		
wire arrangement         brown, black, blue           Cable weigth         55,97 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,27 mm           User diameter orientance core insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         34 AWG           Conductor crossection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity finin, wire         6 A           Electrical resistance line constant wire         46,9 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C <td></td> <td></td>		
Cable weight         35,97 g/m           Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,27 mm           Outer diameter insulation         1,28 mm           1 (sterit diameter)         34 AWG           Conductor crossaction (wire)         34 AWG           Courset load capacity (sterit diamete		
Material jacket         TPE           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,27 mm           Outer diameter tolerance core insulation         lead-free, CFC-free           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         34 AWG           Conductor crosssection (wire)         22 AWG           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 (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         46.9 0/km @ 0 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static) </td <td></td> <td></td>		
Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,27 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freepess wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         34 AWG           Conductor crosssection (wire)         22 AWG           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 (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -20 °C           Operating temperature min. (dynamic)         -20 °C           Operating temp		
Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,27 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         34 AWG           Conductor crosssection (wire)         22 AWG           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 (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2 kV @ 60 s           Electrical resistance line constant wire         46,9		
Tolerance outer diameter (sheath)		
Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,27 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         34 AWG           Conductor crosssection (wire)         22 AWG           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         6 A           Electrical resistance line constant wire         46,9 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - yire)         2 kV @ 60 s           Power frequency withstand voltage (wire - yire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (ini. dynamic)         20 °C           Operating temperature (min. (dynamic)         90 °C           Flame resistance         UL 1581 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Amount wires 3 Outer diameter insulation 1,27 mm Outer diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 19 Diameter of single wires 34 AWG Conductor crosssection (wire) 22 AWG 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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 46,9 Ø/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - iacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature min. (dynamic) 20 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2 chemical resistance Ogo, application-related testing Gasoline resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter		
Outer diameter insulation         1,27 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         34 AWG           Conductor crosssection (wire)         22 AWG           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         6 A           Electrical resistance line constant wire         46,9 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         105 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         UL 1581 § 109   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gil resistance         DIN EN 6081		
Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         34 AWG           Conductor crosssection (wire)         22 AWG           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         6 A           Electrical resistance line constant wire         46,9 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -5 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         UL 1581 § 1909   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radiu		
Ingredient freeness wire insulation         lead-free, CFC-free           Amount strands (wire)         19           Diameter of single wires         34 AWG           Conductor crosssection (wire)         22 AWG           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         6 A           Electrical resistance line constant wire         46,9 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         105 °C           Operating temperature max. (dynamic)         -20 °C           Operating temperature max. (dynamic)         -20 °C           Chemical resistance         U. 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 x Outer diameter		
Amount strands (wire)       19         Diameter of single wires       34 AWG         Conductor crosssection (wire)       22 AWG         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       6 A         Electrical resistance line constant wire       46,9 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature min. (dynamic)       -20 °C         Operating temperature max. (dynamic)       90 °C         Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter		
Diameter of single wires       34 AWG         Conductor crosssection (wire)       22 AWG         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       6 A         Electrical resistance line constant wire       46,9 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       105 °C         Operating temperature min. (dynamic)       -20 °C         Operating temperature max. (dynamic)       90 °C         Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter		·
Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity (standard)  Current load capacity min. wire  6 A  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  AC withstand volta		
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       6 A         Electrical resistance line constant wire       46,9 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       -40 °C         Min. operating temperature (fixed)       105 °C         Operating temperature min. (dynamic)       -20 °C         Operating temperature max. (dynamic)       90 °C         Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter		
Nominal voltage AC max.  300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 46,9 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 105 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter	. , ,	
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Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Oul. 1581 § 1090   Ul. 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter		· · · · · · · · · · · · · · · · · · ·
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Oul. 1581 § 1090   UL. 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  DIN EN 60811-404   Good, application-related testing  Bending radius (dynamic)  10 x Outer diameter	Power frequency withstand voltage (wire -	
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature min. (dynami		-40 °C
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Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter		<del>`</del>
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter		
Bending radius (dynamic) 10 x Outer diameter		

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-05-13

## **Product-PDF for Article 7700-40701-U030100**



No. of torsion cycles 3 Mio.

Torsion stress ± 180 °/m