

Mini (7/8) 4 pole, Female 90° w/ Cable

TPE 4x16AWG ye UL/CSA, TC-ER

Art.No.: 7700-A4031-U1C0500

Weight: 0.541 Country of origin: US

Model designation: MSCDL0-TU1C 5.0

Female 90° 7/8" 4-pole

Power cable

USA

without cable sleeves

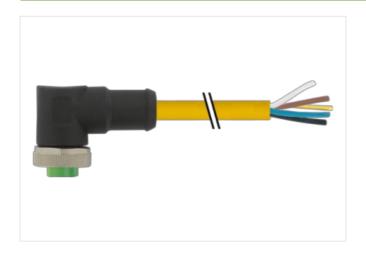
Further cable lengths on request.

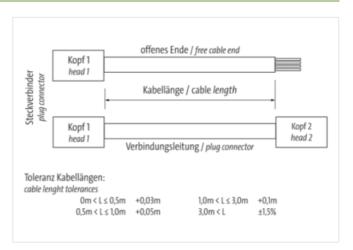
Plastic housings with good resistance against chemicals and oils.

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

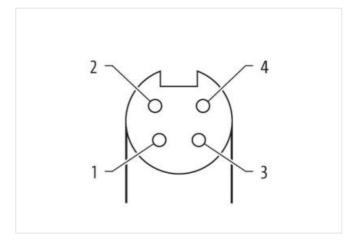
Link to Product

Illustration



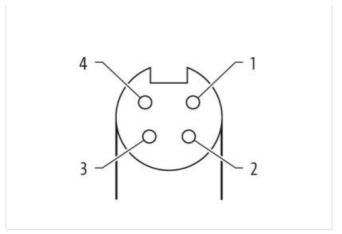


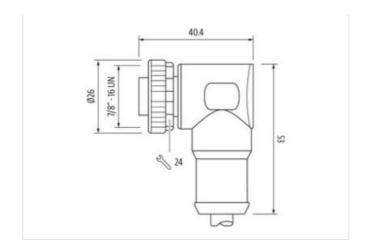






stay connected





Product may differ from Image



Cable length	5 m
Side 1	
Tightening torque	1,5 Nm
Mounting method	inserted, screwed
Family construction form	7/8"
Thread	7/8"
suitable for corrugated tube (internal Ø)	17,8 mm
No. of poles	4
Width across flats	SW24
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879698269
EAN	4048879698269
Packaging unit	1
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	600 V
Operating voltage DC max.	600 V
Current operating per contact max.	9 A
Diagnostics	
Status indication LED	no
Device protection Electrical	



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Additional protection degree inserted, screwed inserted, screwed inserted, screwed inserted, screwed inserted, screwed inserted, screwed inserted, data (Material data) Address and surgo voltage 2,5 kV Mechanical data (Material data) Address (Address Address A	Degree of protection (EN IEC 60529)	IP68
National Color Service Services Service		
Rechanical data Material data	· · · · · · · · · · · · · · · · · · ·	<u>`</u>
Mechanical data Material data Material data PUR Caling locking PUR Caling locking malarial Zinc die casting Nickeled Zinc die casting Rechanical data Mounting data Zinc die casting Rechanical data Rechanical data Rechanical data Zinc die casting Zinc		
Attential housing PUB Souting locking on Nickoled Counting method Inserted, screwed, Shaking protection Environmental characteristics Climate Coperating temperature min.	<u> </u>	-10 ***
Coating locking material Zinc de-caeting Activity and a service of the control of	·	PIIR
Mechanical data Mounting data		
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Deparating temperature min. 25 °C Deparating temperature max. 88 °C Operating temperature max. 88 °C Operating temperature max. 89 °C Attention: Observe the permissible benefiting radii when laying cables, as the IP protection diass can be entangued by excessive bendring forces. Installation (Cable Vivia arrangement cod, while, black, green Value identification UTC Stacket Color yellow Vivye of Certificate CURus Virounit stranding 1 1 Francing Avirous with 5 Filler twisted Standing Fiscec Filler yes Stall jacket TPE Cable weight 117,7 g/m Auterial jacket TPE Teedom from ingredients (jacket) 9,92 mm Calciferance outer diameter (sheath) 5 % Advanced invisuation PVC Advanced invisuation 1, 2,52 mm Outer diameter (sheath) 5 % AVIC Control of Signature of single wires Operating temperature (size of size of single wires of single wires of single wires of single wire		
Inserted		Zino die-oasting
Environmental characteristics Climatio Decrating temperature min. 25 °C Joerating temperature max. 80 °C Idditional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be entangered by excessive bending forces. Installation Cable Viro arrangement rod, white, black, green Installation Cable Viro arrangement rod, white, black, green Installation UTC Inst		Secretal council Obel Secretarion
Operating temperature min. 25 °C Operating temperature max. 80 °C Operating temperature from the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Attention: Operating the measures from mechanical loads, e.g. by the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature from the usage of cable ites. Attention: Operating temperature fixed of the CPC-free Operating temperature fixed of the CPC-free Operating temperature fixed of the CPC-free Operat	-	- · · · · · · · · · · · · · · · · · · ·
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Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ordangered by excessive bending forces. Installation Cable wire arrangement red, white, black, green Jable identification UTC Jable identification UTC Jable identification UTC Jable identification UTC Java of Cortificate UTRus Amount stranding 1 Stranding 4 wires with 5 Filler twisted Javarding Fileoce Tiller yes Vire arrangement red, white, black, green Javarding Fileoce Javarding Fileoce Javarding Hollow (Well and Capacity) Javarding Hol	Important installation notes	
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vire arrangement red, white, black, green Jable identification U1C Jacket Color yellow Vype of Certificate cURus Amount stranding 1 Stranding 4 wires with 5 Filler twisted Sanding Fleece Filler yes Sanding Fleece Filler yes Vire arrangement red, white, black, green Sable weight 117,7 g/m Material glacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Duter claimeter (jacket) 9,02 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation ± 5 % Outer diameter rolerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 65 Diameter of single wires 34 AWG Conductor crossessection (wire) 16 AWG Material conductor wire </td <td>Note on bending radius</td> <td></td>	Note on bending radius	
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CURUS	Cable identification	U1C
Amount stranding 1	Jacket Color	yellow
Stranding 4 wires with 5 Filler twisted Banding Fleece Filler yes wive arrangement red, white, black, green Table weigth 117,7 g/m Material jacket TPE reedom from ingredients (jacket) lead-free, CFC-free, halogen-free Jouler-diameter (jacket) 9,02 mm Tolerance outer diameter (skeath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 2,62 mm Duter diameter insulation 1 = 5 % Ingredient freeness wire insulation 1 = 65 % Diameter of single wires 34 AWG Donductor crosssection (wire) 65 Diameter of single wires 34 AWG Donductor wire Stranded copper wire, bare Stranded copper wire, bare Stranded apacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Zurrent load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Zurrent load capacity min. wire 8 A Cover frequency withstand voltage (wire - wire) 6 kV @ 60 s Downer frequency withstand voltage (wire - wire) 6 kV @ 60 s Downer frequency withstand voltage (wire - wire) 6 kV @ 60 s Downer frequency withstand voltage (wire - wire) 6 kV @ 60 s Downer frequency withstand voltage (wire - wire) 6 kV @ 60 s Downer frequency withstand voltage (wire - wire) 6 kV @ 60 s Downering temperature (static) -50 °C Doperating temperature (static) -50 °C Doperating temperature (static) -50 °C Doperating temperature (static) -50 °C	Type of Certificate	cURus
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vire arrangement red, white, black, green Cable weigth 117,7 g/m Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Duter-diameter (jacket) 9,02 mm Coluer-diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 2,62 mm Duter diameter insulation 2,62 mm Duter diameter tolerance core insulation ± 5 % Amount strands (wire) 65 Diameter of single wires 34 AWG Conductor crosssection (wire) 16 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 600 V Durrent load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Diameter of sistence wire insulated in 3.2 \(\Omega \text{km} \) \(\overline{\text{corr}} \) \(\overlin	Banding	Fleece
Cable weighh 117,7 g/m Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Duter-diameter (jacket) 9,02 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 2,62 mm Duter diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 65 Diameter of single wires 34 AWG Conductor crosssection (wire) 16 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 600 V Courrent load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Over frequency withstand voltage (wire - acket) 6 kV @ 60 s John (acket) 6 kV @ 60 s John (acket) 6 kV @ 60 s	Filler	yes
Material jacket TPE Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Duter-diameter (jacket) 9,02 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 2,62 mm Duter diameter insulation 2,62 mm Duter diameter tolerance core insulation 1 ± 5 % Ingredient freeness wire insulation 1 lead-free, CFC-free Amount strands (wire) 65 Diameter of single wires 34 AWG Donductor crosssection (wire) 16 AWG Material conductor wire Stranded copper wire, bare Mominal voltage AC max. 600 V Durrent load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Durrent load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Dover frequency withstand voltage (wire - sicket) 105 °C Max. operating temperature (static) -50 °C Max. operating temperature (fixed) 105 °C Deperating temperature min. (dynamic) -20 °C	wire arrangement	red, white, black, green
Freedom from ingredients (jacket) Duter-diameter (jacket) 9,02 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 2,62 mm Duter diameter tolerance core insulation 2,62 mm Duter diameter tolerance core insulation ± 5 % Amount strands (wire) 65 Dameter of single wires 34 AWG Donductor crosssection (wire) 16 AWG Material orductor wire Stranded copper wire, bare Nominal voltage AC max. 600 V Durent load capacity (standard) Current load capacity (standard) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C Cover frequency withstand voltage (wire - wire) 6 kV @ 60 s Altion. operating temperature (static) -50 °C Max. operating temperature (fixed) 105 °C Deparating temperature (fixed) -20 °C Coverating temperature (fixed) -20 °C	Cable weigth	117,7 g/m
Duter-diameter (jacket) 9,02 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Duter diameter insulation 2,62 mm Duter diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 65 Siameter of single wires 34 AWG Conductor crosssection (wire) 16 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 600 V Current load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) 6 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -20 °C	Material jacket	TPE
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Material wire insulation PVC Amount wires 4 Duter diameter insulation 2,62 mm Duter diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 65 Diameter of single wires 34 AWG Conductor crosssection (wire) 16 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 600 V Current load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - average of the vertical standard of the vertical standard over the	Outer-diameter (jacket)	9,02 mm
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Duter diameter insulation 2,62 mm Duter diameter tolerance core insulation ±5 % Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 65 Diameter of single wires 34 AWG Conductor crosssection (wire) 16 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 600 V Durrent load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Durrent load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Dower frequency withstand voltage (wire - acket) Alin. operating temperature (static) -50 °C Max. operating temperature (fixed) 10.5 °C Deparating temperature min. (dynamic) -20 °C	Material wire insulation	PVC
Duter diameter tolerance core insulation #5 % Ingredient freeness wire insulation Amount strands (wire) #5 ### #6 ######	Amount wires	4
Ingredient freeness wire insulation I lead-free, CFC-free Amount strands (wire) 65 Diameter of single wires 34 AWG Conductor crosssection (wire) 16 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 600 V Current load capacity (standard) according to NFPA-70 (NEC): 400.5(A) (1-3) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) Cover frequency withstand voltage (wire - acket) Min. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -20 °C Deparating temperature min. (dynamic) -20 °C	Outer diameter insulation	2,62 mm
Amount strands (wire) 65 Diameter of single wires 34 AWG Conductor crosssection (wire) 16 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 600 V Current load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 \(\Omega/km\) @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -20 °C Deperating temperature min. (dynamic) -20 °C	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 65 Diameter of single wires 34 AWG Conductor crosssection (wire) 16 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 600 V Current load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 \(\Omega/km\) @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -20 °C Deperating temperature min. (dynamic) -20 °C	Ingredient freeness wire insulation	lead-free, CFC-free
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 600 V Current load capacity (standard) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) 16 AWG May Gover frequency withstand voltage (wire - acket) 17 C C C C C C C C C C C C C C C C C C C	Amount strands (wire)	
Material conductor wire Nominal voltage AC max. 600 V Current load capacity (standard) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -20 °C Comparison to NFPA-70 (NEC) : 400.5(A) (1-3) -20 °C -20 °C -20 °C -20 °C -20 °C -20 °C	Diameter of single wires	34 AWG
Nominal voltage AC max. 600 V Current load capacity (standard) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -20 °C	Conductor crosssection (wire)	16 AWG
Current load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3) Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) 6 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -20 °C	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 8 A Electrical resistance line constant wire 13,2 \(\Omega / \text{km} \) \(\omega 20 \circ C \) AC withstand voltage (wire - wire) 6 kV \(\omega 60 \text{ s} \) Power frequency withstand voltage (wire - acket) 6 kV \(\omega 60 \text{ s} \) Min. operating temperature (static) -50 \(\circ C \) Max. operating temperature (fixed) 105 \(\circ C \) Operating temperature min. (dynamic) -20 \(\circ C \)	Nominal voltage AC max.	600 V
Electrical resistance line constant wire 13,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) 6 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -20 °C	Current load capacity (standard)	according to NFPA-70 (NEC): 400.5(A) (1-3)
AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) 6 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -20 °C	Current load capacity min. wire	8 A
Power frequency withstand voltage (wire - acket) 6 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -20 °C	Electrical resistance line constant wire	13,2 Ω/km @ 20 °C
Acket) Win. operating temperature (static) Alax. operating temperature (fixed) Deperating temperature min. (dynamic) -20 °C	AC withstand voltage (wire - wire)	6 kV @ 60 s
Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -20 °C	Power frequency withstand voltage (wire - jacket)	6 kV @ 60 s
Operating temperature min. (dynamic) -20 °C	Min. operating temperature (static)	-50 °C
	Max. operating temperature (fixed)	105 °C
Operating temperature max. (dynamic) 90 °C	Operating temperature min. (dynamic)	-20 °C
	Operating temperature max. (dynamic)	90 °C

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: 2025-08-07



Flame resistance	UL 1581 § 1090 IEC 60332-2-2 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)	8 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Torsion stress	± 90 °/m