

## M12 female 0° A-cod. with cable

TPE 4x18AWG ye UL/CSA. ITC/PLTC 2m

Art.No.: 7700-12221-1500200 Weight: 0.176 Country of origin: US Model designation: MSBL0-T150 2.0

## Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available <u>on request</u>

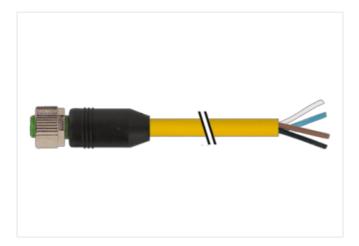
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

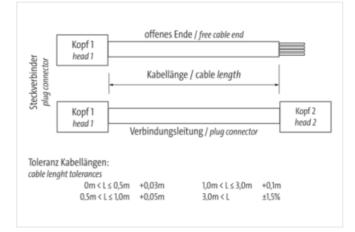
## **Product details:**

Cable is approved for 600 V Female straight M12, 4-pole USA Cable is approved for 600 V 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



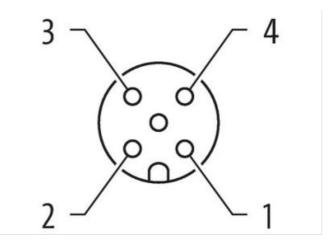


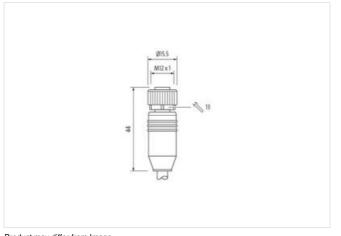
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# Product-PDF for Article 7700-12221-1500200









Product may differ from Image



Cable length	2 m
-	<b>-</b>
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	А
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218

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ECLASS-9.0	27060311	
ECLASS-10.1	27060311	
ECLASS-11.1	27060311	
ECLASS-12.0	27060311	
ETIM-5.0	EC001855	
customs tariff number	85444290	
customs tariff number	85444290	
EAN	4048879518734	
EAN	4048879518734	
Packaging unit	1	
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	
Device protection   Electrical		
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	2,5 kV	
Material group (IEC 60664-1)	1	
Mechanical data		
Contour for corrugated hose	without	
Mechanical data   Material data		
Coating locking	Nickeled	
Locking material	Zinc die-casting	
Mechanical data   Mounting data		
Mounting method	inserted, screwed, Shaking protection	
Environmental characteristics   Climatic		
Operating temperature min.	-30 °C	
Operating temperature max.	85 °C	
Additional condition temperature range	depending on cable quality	
Important installation notes		
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	
Conformity		
Product standard	DIN EN 61076-2-101 (M12)	
Installation   Cable		
wire arrangement	brown, black, blue, white	
Cable identification	150	
Jacket Color	yellow	
Amount stranding	1	
Stranding	4 wires twisted	
wire arrangement	brown, black, blue, white	
Cable weigth	92,4 g/m	

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Material jacket	TPE	
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free	
Outer-diameter (jacket)	7,21 mm	
Tolerance outer diameter (sheath)	±5%	
Material wire insulation	PVC	
Amount wires	4	
Outer diameter insulation	1,93 mm	
Outer diameter tolerance core insulation	±5%	
Ingredient freeness wire insulation	lead-free, CFC-free	
Amount strands (wire)	19	
Diameter of single wires	18 AWG	
Conductor crosssection (wire)	18 AWG	
Material conductor wire	Stranded copper wire, bare	
Nominal voltage AC max.	600 V	
Current load capacity (standard)	to DIN VDE 0298-4	
Current load capacity min. wire	9,6 A	
Electrical resistance line constant wire	22,5 Ω/km @ 20 °C	
AC withstand voltage (wire - wire)	4 kV @ 60 s	
Power frequency withstand voltage (wire - jacket)	4 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	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)	10 x Outer diameter	
Bending radius (dynamic)	15 x Outer diameter	
No. of bending cycles (C-track)	10 Mio.	
No. of torsion cycles	3 Mio.	
Torsion stress	± 180 °/m	

Torsion stress

± 180 °/m

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