

## M12 male 0° / M12 female 0° A-cod.

TPE 4x18/19AWG ye UL/CSA. ITC/PLTC 5m

Art.No.: 7700-40021-1500500 Weight: 0.418 Country of origin: US Model designation: MSBL0-A-T150\_5.0

## 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 <u>dictionary</u> to find more technical details.

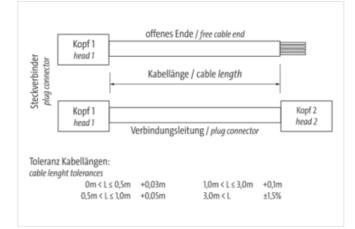
Product details: Cable is approved for 600 V Male straight – female straight M12 – M12, 4-pole USA Cable is approved for 600 V Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

## Link to Product

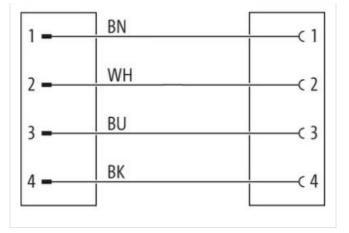
Illustration

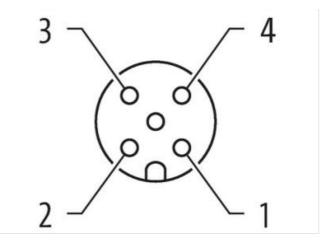


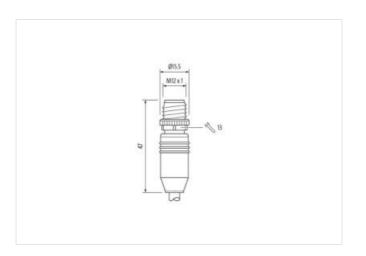


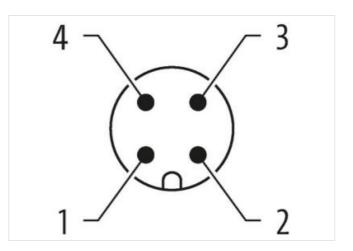
The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-06

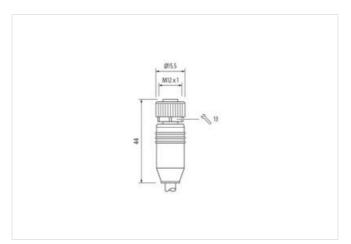










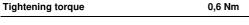


Product may differ from Image

Cable length

Side 1

5 m



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Thread M12 x 1   Gender male   Gender male   Coding A   No. of poles 4   Widh across flats SW13   Side 2 Image: State St	Family construction form	M12
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Coding     A       No. of poles     4       With across flasts     SW13       Side 2	Gender	
CadingANo. of poles4No. of poles4No. of poles4With across flatsSW13Side 20.5 MmMounting methodInserted, screwedFamily construction formM12ThreadM12 X1GenderfemaleCable outletstraightCodingANo. of poles4With across flatsSW13Commercial dataCommercial dataECLASS-6.027279218ECLASS-6.127279218ECLASS-6.127279218ECLASS-6.027279218ECLASS-6.127279218ECLASS-6.127279218ECLASS-6.127279218ECLASS-6.127279218ECLASS-6.127060311ECLASS-6.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.1270793736ECLASS-2.227080311ETM-5.0ECO18	Cable outlet	straight
Width across flats SW13   Side 2 Typhening torque   Mounling method inserted, screwed   Family Construction form M12   Thread M12 x 1   Gender female   Cable outlet straight   Coding A   No. of poles 4   Width across flats SW13   Commercial data 22779218   ECLASS-6.0 27279218   ECLASS-7.0 27060311   ECLASS-7.0 27060311   ECLASS-7.0 27060311   ECLASS-7.0 EC001855   ETM-5.0 EC001855 </td <td>Coding</td> <td>A</td>	Coding	A
Width across flats SW13   Side 2 Typhening torque   Mounling method inserted, screwed   Family Construction form M12   Thread M12 x 1   Gender female   Cable outlet straight   Coding A   No. of poles 4   Width across flats SW13   Commercial data 22779218   ECLASS-6.0 27279218   ECLASS-7.0 27060311   ECLASS-7.0 27060311   ECLASS-7.0 27060311   ECLASS-7.0 EC001855   ETM-5.0 EC001855 </td <td>No. of poles</td> <td>4</td>	No. of poles	4
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Family construction form     M12       Thread     M12 x 1       Gender     fenale       Cable outlet     straight       Cading     A       No. of poles     4       Width across flats     SW13       Commercial data     ECLASS-6.0       27279218     ECLASS-7.0       ECLASS-6.1     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27260311       ECLASS-6.0     27260311       ECLASS-1.1     27060311       ECLASS-1.2     27060311       ECLASS-1.1     27060311       ECLASS-1.2     27060311       ECLASS-1.2     27060311       ECLASS-1.1     27060311       ECLASS-1.2     27060311       ECLASS-1.2     27060311       ECLASS-1.2     27060311       ECLASS-1.1     27060311       ECLASS-1.2     EC001855       ETM-6.0     EC001855       ETM-7.0     EC001855		·
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No. of poles     4       Width across flats     SW13       Commercial data        ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.0     27060311       ECLASS-10.1     27060311       ECLASS-12.0     27060311       ETM-5.0     EC001855       ETIM-5.0     EC001855       ETIM-7.0     EC001855       ETIM-7.0     EC001855       ETIM-8.0     EC001855       ETIM-7.0     EC001855       ETIM-8.0     EC001855       ETIM-7.0     EC001855       ETIM-8.0     EC001855       ETIM-8.0     EC001855       EAN     4048879518406       EAN     4048879518406       EAN     4048879518406       Packagin		
Wild across flats     SW13       Commercial data     ECLASS-6.0     27279218       ECLASS-6.1     27279218     ECLASS-6.1       ECLASS-6.1     27279218     ECLASS-6.1       ECLASS-6.0     27279218     ECLASS-6.1       ECLASS-6.0     27279218     ECLASS-6.1       ECLASS-6.0     27060311     ECLASS-1.1       ECLASS-1.1     27060311     ECLASS-1.2.0       ECLASS-1.2.0     27060311     ECLEST       ECLASS-1.0     EC001855     ECO1855       ETIM-5.0     EC001855     ECO1855       ETIM-8.0     EC001855     ECO1855       ETIM-8.0     EC001855     ECO1855       EXAN     404872518406     EXAN       Vad8872518406     EXAN     404873518406       EXAN     404873518406     EXAN       Packaging unit     1     1       Packaging unit     1     Electrical data   Supply       Operating voltage AC (UL-listed)     30 V     Courtent operating voltage AC (UL-listed)       Operating voltage AC (UL-listed)     30 V     Courrent operating voltage AC (UL-lis		
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ECLASS-12.0     27060311       ETIM-5.0     EC001855       ETIM-5.0     EC001855       ETIM-7.0     EC001855       ETIM-7.0     EC001855       customs tariff number     85444290       customs tariff number     85444290       customs tariff number     85444290       EAN     4048879518406       EAN     4048879518406       Packaging unit     1       Packaging unit     1       Packaging unit     1       Electrical data   Supply     250 V       Operating voltage AC max.     250 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC max.     250 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Degree of protection   Electrical     Electrical       Degree of protection (El EC 60529)     IP65, IP67, IP66K       Additional condition protection degree     a		27060311
ETIM-5.0     EC001855       ETIM-6.0     EC001855       ETIM-7.0     EC001855       ETIM-7.0     EC001855       customs tariff number     85444290       customs tariff number     85444290       customs tariff number     8544290       EAN     4048879518406       EAN     4048879518406       EAN     4048879518406       Packaging unit     1       Packaging unit     1       Packaging unit     1       Electrical data   Supply     So V       Operating voltage AC max.     250 V       Operating voltage DC 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       Device protection   Electrical     Sorewed       Pollution Degree     3       Rated surge voltage     2,5 kV       Material group (IEC 60664-1)     1       Mechanical data     Contour for corrugated hose		
ETIM-6.0     EC001855       ETIM-7.0     EC001855       ETIM-7.0     EC001855       customs tariff number     8544290       customs tariff number     8544290       EAN     4048879518406       EAN     4048879518406       Packaging unit     1       Packaging unit     30 V       Operating voltage AC (UL-listed)     30 V       Current		
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Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Device protection   Electrical      Degree of protection (EN IEC 60529)   IP65, IP67, IP66K     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   2,5 kV     Material group (IEC 60664-1)   I     Mechanical data   vithout	Operating voltage DC max.	250 V
Current operating per contact max.   4 A     Device protection   Electrical     Degree of protection (EN IEC 60529)   IP65, IP67, IP66K     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   2,5 kV     Material group (IEC 60664-1)   I     Mechanical data   vithout	Operating voltage AC (UL-listed)	30 V
Device protection   Electrical     Degree of protection (EN IEC 60529)   IP65, IP67, IP66K     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   2,5 kV     Material group (IEC 60664-1)   I     Mechanical data   V     Contour for corrugated hose   without	Operating voltage DC (UL-listed)	30 V
Degree of protection (EN IEC 60529)   IP65, IP67, IP66K     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   2,5 kV     Material group (IEC 60664-1)   I     Mechanical data   V     Contour for corrugated hose   without	Current operating per contact max.	4 A
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   2,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Contour for corrugated hose	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   Contour for corrugated hose	• •	IP65, IP67, IP66K
Pollution Degree 3   Rated surge voltage 2,5 kV   Material group (IEC 60664-1) I   Mechanical data Contour for corrugated hose		
Rated surge voltage 2,5 kV   Material group (IEC 60664-1) I   Mechanical data I   Contour for corrugated hose without		
Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without	Rated surge voltage	
Contour for corrugated hose without	Material group (IEC 60664-1)	1
-	Mechanical data	
Mechanical data   Material data	Contour for corrugated hose	without
	Mechanical data   Material data	



Nickeled green
7 in a dia panting
Zinc die-casting
inserted, screwed, Shaking protection
-30 °C
-50 C 85 °C
depending on cable quality
Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
DIN EN 61076-2-101 (M12)
brown, black, blue, white
150
yellow
1
4 wires twisted
brown, black, blue, white
92,4 g/m
TPE
lead-free, CFC-free, halogen-free
7,21 mm
±5%
PVC
4
1,93 mm
±5%
lead-free, CFC-free
19
18 AWG
18 AWG
Stranded copper wire, bare
600 V
to DIN VDE 0298-4
9.6 A
22,5 Ω/km @ 20 °C
4 kV @ 60 s
4 kV @ 60 s
-40 °C
105 °C
-20 °C
90 °C
IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Good, application-related testing
Good, application-related testing
Good, application-related testing   DIN EN 60811-404
10 x Outer diameter

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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

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