

M12 male 0° / M12 male 0° D-cod. shielded

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 7.5m

Art.No.: 7700-44511-S7V0750

Weight: 0.54

Country of origin: US

Model designation: MSDAL0-DA-TS7V_7.5-ZS

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 on request

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

Product details:

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. USA

Ethernet CAT5

Male straight – male straight
M12 – M12, 4-pole
D-coded
shielded

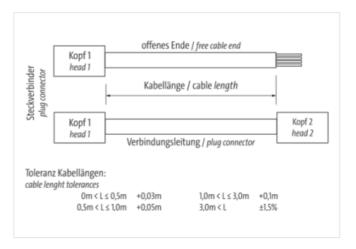
without cable sleeves

maximum length at channel transmission corresponds to 100 m

Link to Product

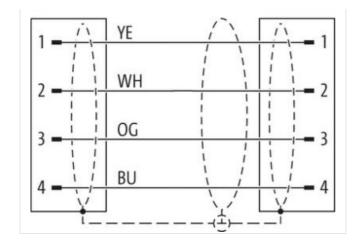
Illustration

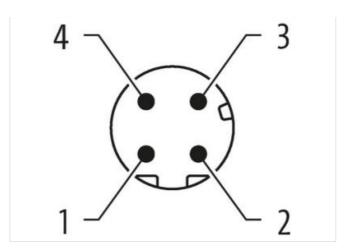


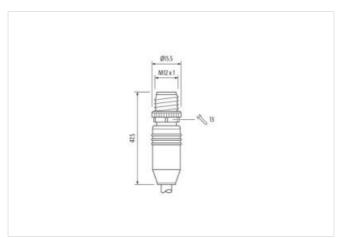




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Product may differ from Image













Cable length	7,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	D
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	D
No. of poles	4

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: 2025-11-05



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Width across flats	SW13
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879606004
EAN	4048879606004
Packaging unit	1
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact (UL)	1,5 A
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fund	ctionality
duplex	Full duplex
Diagnostics	
Status indication LED	
Status indication ELD	
Installation Connection	no
Installation Connection	
Installation Connection Gender	no male
·	
Gender	
Gender Device protection Electrical	male
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree	male IP65, IP67, IP66K inserted, screwed 3
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage	male IP65, IP67, IP66K inserted, screwed
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree	male IP65, IP67, IP66K inserted, screwed 3
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Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)	male IP65, IP67, IP66K inserted, screwed 3
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data	male IP65, IP67, IP66K inserted, screwed 3 1,5 kV
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Contour for corrugated hose	male IP65, IP67, IP66K inserted, screwed 3 1,5 kV
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Contour for corrugated hose Mechanical data Material data	male IP65, IP67, IP66K inserted, screwed 3 1,5 kV I
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Contour for corrugated hose Mechanical data Material data Material housing	male IP65, IP67, IP66K inserted, screwed 3 1,5 kV I without
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Contour for corrugated hose Mechanical data Material data Material housing Color housing	male IP65, IP67, IP66K inserted, screwed 3 1,5 kV I without PUR black
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Contour for corrugated hose Mechanical data Material data Material housing Color housing Coating locking	male IP65, IP67, IP66K inserted, screwed 3 1,5 kV I without PUR black Nickeled
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Contour for corrugated hose Mechanical data Material data Material housing Color housing Coating locking Locking material	male IP65, IP67, IP66K inserted, screwed 3 1,5 kV I without PUR black Nickeled
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Contour for corrugated hose Mechanical data Material data Material housing Color housing Coating locking Locking material Mechanical data Mounting data	male IP65, IP67, IP66K inserted, screwed 3 1,5 kV I without PUR black Nickeled Zinc die-casting inserted, screwed, Shaking protection
Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Contour for corrugated hose Mechanical data Material data Material housing Color housing Coating locking Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic	male IP65, IP67, IP66K inserted, screwed 3 1,5 kV I without PUR black Nickeled Zinc die-casting inserted, screwed, Shaking protection
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Device protection Electrical Degree of protection (EN IEC 60529) Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Contour for corrugated hose Mechanical data Material data Material housing Color housing Coating locking Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic	male IP65, IP67, IP66K inserted, screwed 3 1,5 kV I without PUR black Nickeled Zinc die-casting inserted, screwed, Shaking protection



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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	(white, blue), (orange, yellow)
Cable identification	S7V
Jacket Color	green
Type of Certificate	cURus
Amount stranding	2
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	75 %
Banding	Foil
wire arrangement	(white, blue), (orange, yellow)
Cable weigth	74,8 g/m
Material jacket	TPE
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	7,87 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	HDPE
Amount wires	4
Outer diameter insulation	1,47 mm
Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	19
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	45,1 Ω/km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C
Storage temperature min.	-40 °C
Storage temperature max.	80 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic)	8 x Outer diameter
No. of bending cycles (C-track)	35 Mio.
No. of torsion cycles	5 Mio.