

M12 male 0° A-cod. / RJ45 male 0° shielded

TPE 4x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 10m

Art.No.: 7700-48521-S4W1000 Weight: 0.702 Country of origin: DE Model designation: MSAL0-RA-08DS4W_10.0-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 <u>on request</u>

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

Product details:

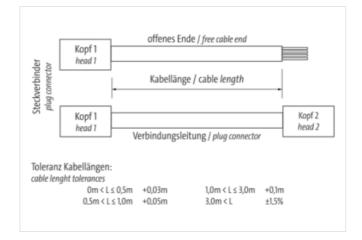
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request. Ethernet CAT5

Ethernet CAT5e Male straight – male straight M12 – RJ45, 8-pole shielded USA without cable sleeves Plastic housings with good resistance against chemicals and oils.

Link to Product

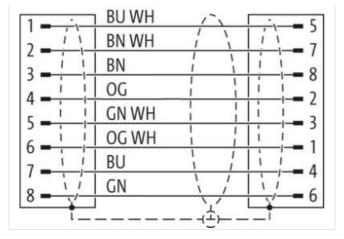
Illustration

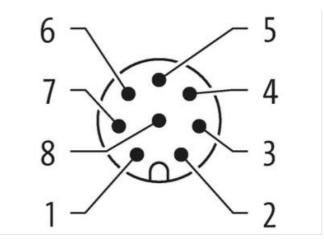


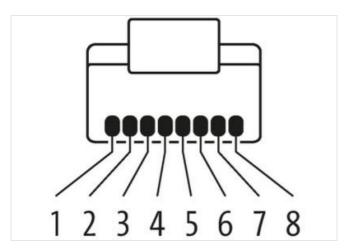


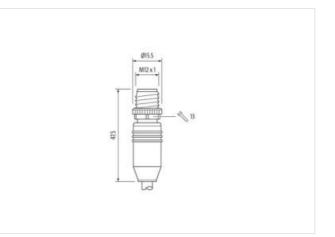
The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-09-15

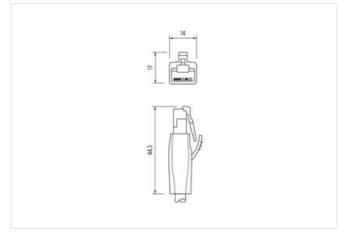












Product may differ from Image



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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Gender	male
Cable outlet	straight
Coding	Α
Material contact	Copper alloy
No. of poles	8
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Mounting method	inserted
Family construction form	RJ45
Cable outlet	straight
No. of poles	8
Degree of protection (EN IEC 60529)	IP20
Commercial data	•
ECLASS-6.0	27061801
ECLASS-6.0 ECLASS-7.0	27061801
ECLASS-8.0	27061801
ECLASS-9.0	27061801
ECLASS-9.0 ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0 ETIM-5.0	27060307
	EC002599
customs tariff number EAN	85444290
	4048879662406
Packaging unit	
Electrical data Supply	60 V
Operating voltage DC Current operating per contact max.	1,5 A
	1,5 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	2
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Color housing	black
Coating of fitting	nickel plated
Material screw connection	Zinc die-casting
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	ne utmost care.

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Biodingeneous Biodingeneous Biodingeneous Concorning Din En 61076-2-101 (M12) Installation [Cable Unit enangement (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green) Bable Identification S4W Isoand Cable Control Blue Standard (brown-white, brown), (green-white, green) Standard (brown-white, brown), (green-white, green) Standard Standard (brown-white, brown), (green-white, green) Standard (brown-white, brown), (green-white, green) Standard (brown-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green) Standard (brown-white, brown), (green-white, green) Standard (brown-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green) Standard (brown-white, brown), (green-white, green) Standard Standard (brown-white, blue), (brown-white, brown), (green-white, green) Standard (brown-white, brown), (green-white, green) Standard Standard (brown-standard Weith) Standard (brown-white, brown), (green-white, green) Standard (brown-white, brown), (green-white, green) Standard Standard (brown-standard Weith) Standard (brown-white, brown), (green-white, green) Standard (brown-white, brown), (green-white, green) Standard Standard (brown) Standard (brown-white, brown), (green-white, green)<	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 [Cable] Urice arrangement (orange-white, orange), (blue-white, brown), (green-white, green) Jackel Color Due Jackel Color Due Isolard Color Due Vancount Standing 4 Standing 4 Standing (ype 2) 4 Standad joints twisted Standard (ype 2) 4 Standad joints twisted Standard Joints Wals Standard Joints Wals Jacker Standard Joints (Jacker Mile, orange-white, blue), (brown-white, brown), (green-white, green) Jacker Standard Joints Wals Jacker Standard Joints Wals Jacker Standard Joints Wals Jacker Standard Joints Wals Jacker Standard Joints (Jacker) 7.6 Vancount Standing 7.8 Jacker Standard Joints (Jacker) 7.6 Vancount Standing 5.% Jacker Standard Joints (Jacker) 7.7 Joint Gameer (Jacker) 7.7 Jacker Standard Joints (Jacker) 9.0 Jure daria wire insulation 1.9 NV DE 0258-4 Jure daria wire insulation 2.4	Note on bending radius	
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Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AClectrical resistance line constant wire76,4 Ω/km @ 20 °CAin. operating temperature (static)-40 °CAax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-40 °CAperating temperature max. (dynamic)80 °CStorage temperature min40 °CStorage temperature max.80 °CStorage temperature max.80 °CCharacter max.80 °CStorage temperature max.80 °CStorage temperature max.80 °CStorage temperature max.60 °CStorage temperature max.80 °CStorage temperature max.60 °CStorage temperature max.80 °CStorage temperature max.60 °CGood, application-related testingGood, application-related testing	Material conductor wire	copper stranded wire, tinned
Current load capacity min. wire 2 A Electrical resistance line constant wire 76,4 Ω/km @ 20 °C 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 Elemencal resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Chemical resistance Good, application-related testing	Nominal voltage AC max.	600 V
Electrical resistance line constant wire 76,4 Ω/km @ 20 °C 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 Tame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing	Current load capacity (standard)	to DIN VDE 0298-4
Ain. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 80 °C Operating temperature min. 80 °C Storage temperature min. -40 °C Storage temperature max. 80 °C "Interesistance 80 °C "Interesistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Storage temperature max.ce Good, application-related testing	Current load capacity min. wire	2 A
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 Storage temperature max. 80 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Storage temperature max. Good, application-related testing Gasoline resistance Good, application-related testing	Electrical resistance line constant wire	76,4 Ω/km @ 20 °C
Operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 80 °C Storage temperature min. -40 °C Storage temperature max. 80 °C Storage temperature max. 80 °C Storage temperature max. 80 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Schemical resistance Good, application-related testing Gasoline resistance Good, application-related testing	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C Storage temperature min. -40 °C Storage temperature max. 80 °C Tame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing	Max. operating temperature (fixed)	0° 08
Storage temperature min. -40 °C Storage temperature max. 80 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Schemical resistance Good, application-related testing Gasoline resistance Good, application-related testing	Operating temperature min. (dynamic)	-40 °C
Storage temperature max. 80 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing	Operating temperature max. (dynamic)	0° 08
Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing	Storage temperature min.	-40 °C
Good, application-related testing Good, application-related testing Good, application-related testing	Storage temperature max.	0° 08
Gasoline resistance Good, application-related testing	Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
	chemical resistance	Good, application-related testing
Dil resistance DIN EN 60811-404 Good, application-related testing	Gasoline resistance	Good, application-related testing
	Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed) 4 x Outer diameter	Bending radius (fixed)	4 x Outer diameter
Bending radius (dynamic) 10 x Outer diameter	Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track) 1 Mio. @ 25 °C	No. of bending cycles (C-track)	1 Mio. @ 25 °C
No. of torsion cycles 3 Mio. 25 °C	No. of torsion cycles	3 Mio. 25 °C
Torsion stress ± 270 °/m	Torsion stress	± 270 °/m

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: 2025-09-15