

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

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 1.5m

Art.No.: 7000-44711-7960150

Weight: 0.114 kg Country of origin: HU

Model designation: MSRAL0-DA-T796 1.5-ZS

Male straight - male straight

M12 - RJ45, 4-pole

D-coded Shielded Ethernet CAT5

Further cable lengths on request.

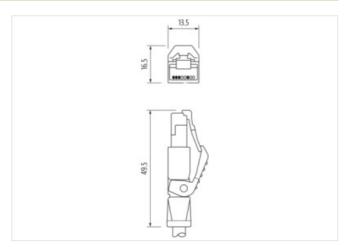
Plastic housings with good resistance against chemicals and oils.

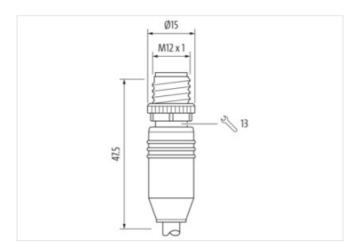
The resistance to aggressive media should be individually tested for your application. Further details on request.

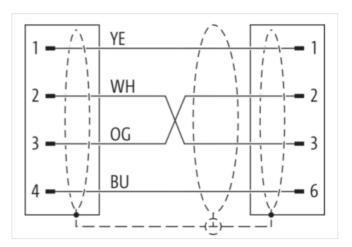
Link to Product

Illustration



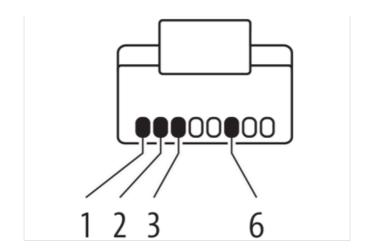


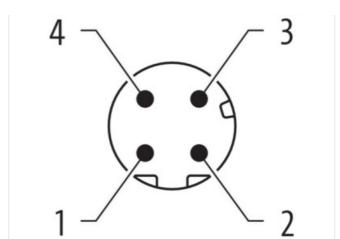


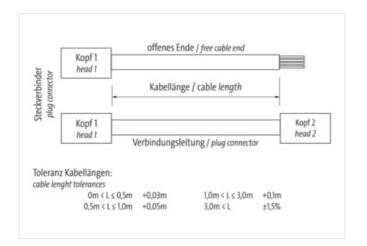


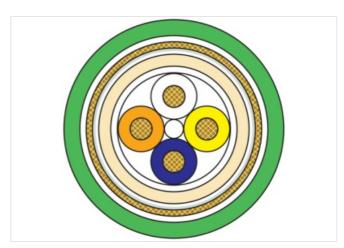


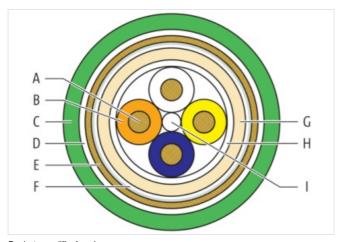
stay connected











Product may differ from Image













EtherNet/IP

Header

Material short text

MSRAL0-DA-T796_1.5-ZS

Cable length

1,50 m



stay connected

Side 1	
Family construction form	M12
No. of poles	4
Coding	D
Gender	male
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW13
Cable outlet	straight
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Side 2	
Family construction form	RJ45
No. of poles	4
Gender	male
Mounting method	pluggable
Cable outlet	straight
Material	PUR
Degree of protection (EN IEC 60529)	IP20
	11 20
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-44711-7960150
GTIN	4048879140911
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-7.1	27060307
ECLASS-8.0	27060307
ECLASS-8.1	27060307
ECLASS-9.0	27060307
ECLASS-9.1	27060307
ECLASS-10.0.1	27060307
ECLASS-10.1	27060307
ECLASS-11.0	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307
ECLASS-14.0	27060307
ETIM-5.0	EC002599
ETIM-6.0	EC002599
ETIM-7.0	EC002599
ETIM-8.0	EC002599
customs tariff number	85444290
EAN	4048879140911
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial Communication	
	100 M-1/4
Data transmission rate max.	100 Mbit/s



Transfer parameters

CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)

dunlov	Full duplex
duplex	ruii aupiex
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Material screw connection	Zinc die-casting
Coating of fitting	Nickeled
Locking material	PA
Environmental characteristics Climatic	
Operating temperature min.	-30 °C
Operating temperature min. Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
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.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Conformity	
Product standard	EN IEC 61076-2-101 (M12), EN IEC 60603-7 (RJ45)
Installation Cable	
Cable identification	796
Function cable	Data
Amount stranding	1
Stranding	4 wires around core filler star-shaped twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Foil, Fleece
Filler	Yes
Cable weigth	63 g/m
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	± 0,05 mm
Shore hardness wire insulation	65 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	30 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Outer-diameter (jacket)	6,7 mm
Tolerance outer diameter (sheath)	±5%
Material jacket	PUR
Shore hardness jacket	89 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Material inner jacket	FRNC

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: 2025-12-15

Bending radius (dynamic)

Travel speed (C-track)

Acceleration (C-track)

No. of torsion cycles

Torsion stress

Torsion speed

No. of bending cycles (C-track)

Traversing distance (C-track)



Color (inner jacket)	natural
Conductor resistance (wire)	55.4 Ω/km @ 20 °C
Electrical capacity line constant (wire - wire)	50.000 pF/km
Isolation resistance	5.000 MΩ × km
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Withstand voltage (wire - shield)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 %
Min. operating temperature (static)	-40 °C
Max. operating temperature (static)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Operating temperature min. (drag chain)	-30 °C
Operating temperature max. (drag chain)	70 °C
Flame resistance	IEC 60332-1-2, UL 1581 § 1090, UL 1581 § 1100
Oil resistance	IEC 60811-404, IRM 901, NEMA WC55
Ozone resistance	IEC 60811-403
UV resistance	UL 1581 § 1200
Other resistances	resistant to hydrolysis, resistant to microbes, MUD-resistant (NEK 606)
Bending radius (fixed)	5 × Outer diameter

12 × Outer diameter

3 Mio. @ 25 °C

3.3 m/s @ 25 °C

2 m/s² @ 25 °C

1 Mio. @ 25 °C

35 cycles/min

± 180 °/m

5 m @ 25 °C