

### M12 male 0° D-cod. with cable shielded V4A

PUR 1x4xAWG22 shielded gn UL/CSA 20m

Art.No.: 7004-14541-7942000

Weight: 1.534

Country of origin: DE

Model designation: MSDAL0-T794\_20.0-ZS-S04

### 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:

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.

Ethernet CAT5

Male straight

M12, 4-pole

D-coded

shielded

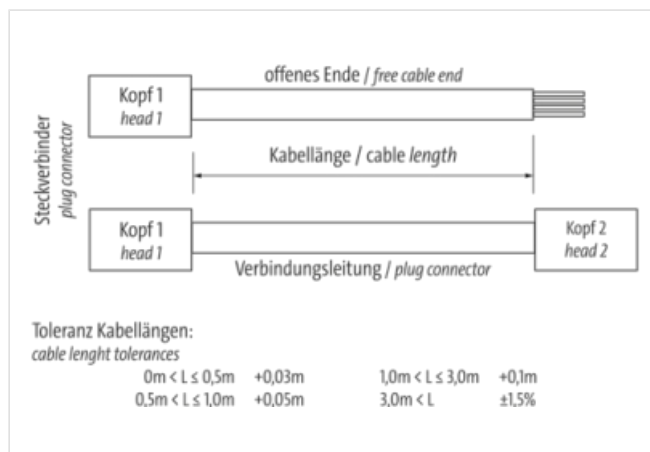
Stainless steel 1.4404 (V4A)

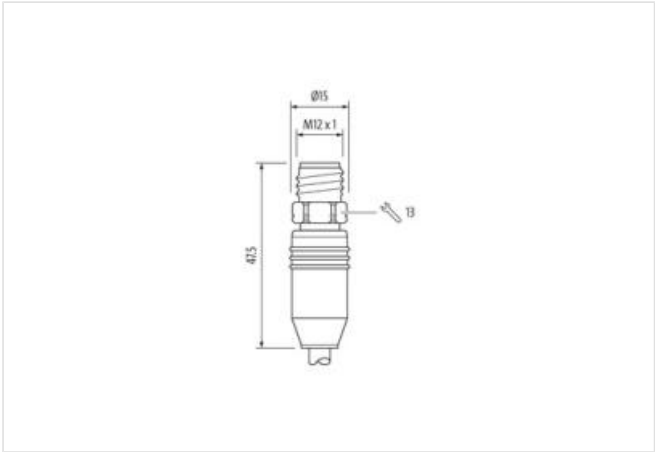
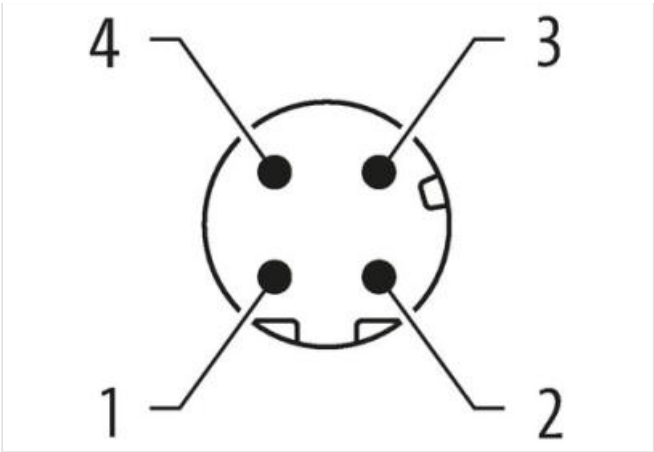
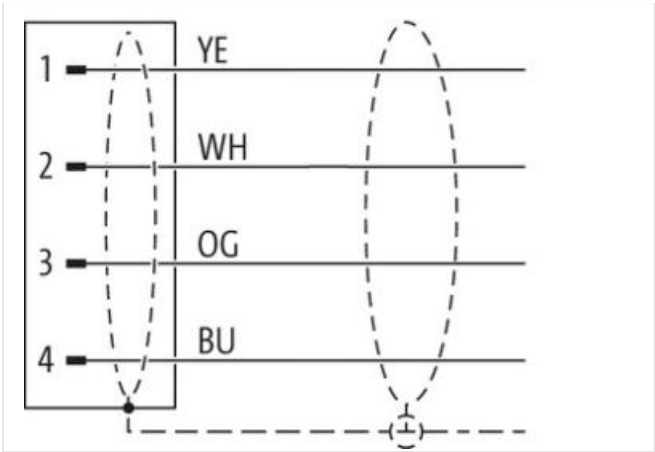
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

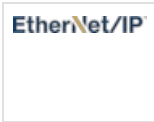
### Link to Product

#### Illustration





Product may differ from Image



Cable length	20 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Gender	male
Cable outlet	straight
Coding	D
Material contact	Copper alloy
Material	PUR
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 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  
 EAN 4048879754248  
 Packaging unit 1
**Electrical data | Supply**
 Operating voltage DC max. 60 V  
 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 functionality**

duplex Full duplex

**Device protection | Electrical**
 Additional condition protection degree inserted, screwed  
 Pollution Degree 3  
 Rated surge voltage 1,5 kV  
 Material group (IEC 60664-1) I
**Mechanical data**

Contour for corrugated hose without

**Mechanical data | Material data**
 Material housing PUR  
 Locking material Stainless steel 1.4404 (V4A)
**Mechanical data | Mounting data**

Mounting method inserted, screwed, Shaking protection

**Environmental characteristics | Climatic**
 Operating temperature min. -25 °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 white, yellow, blue, orange  
 Cable identification 794

Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weight	75,87 g/m
Material jacket	PUR
Shore hardness jacket	89 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,7 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	FRNC
Color (inner jacket)	white
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,55 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	65 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 %
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   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)	6 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter