

M8 male 0° / M12 female 90° A-cod. V4A

FEP 5xAWG22 bk 0.6m

Art.No.: 7003-88268-8280060

Weight: 0.034 kg

Country of origin: DE

Model designation: MSDLO-H-R828_0.6-S03

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:

Male straight – female 90°

M8 – M12, 3-pole

Stainless steel 1.4404 (V4A), PTFE coated

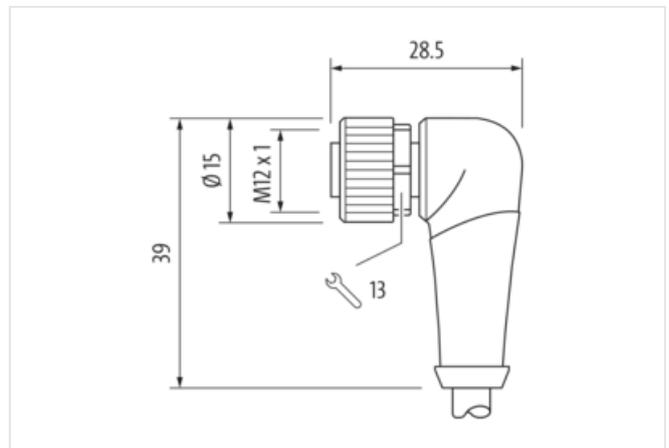
Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

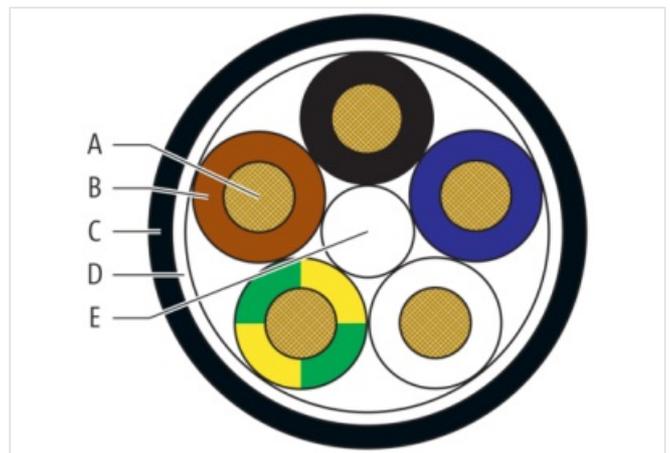
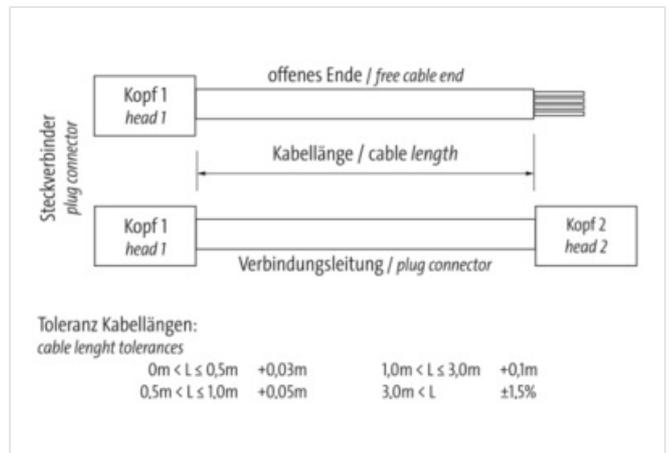
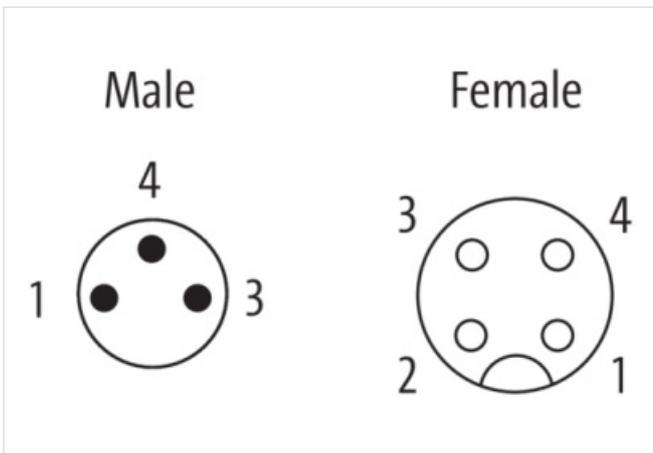
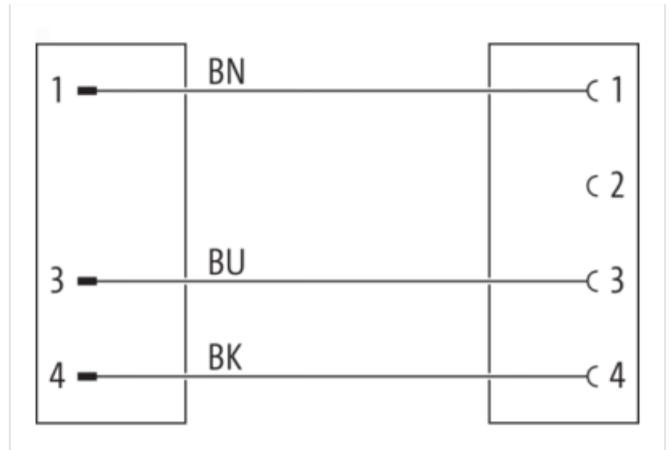
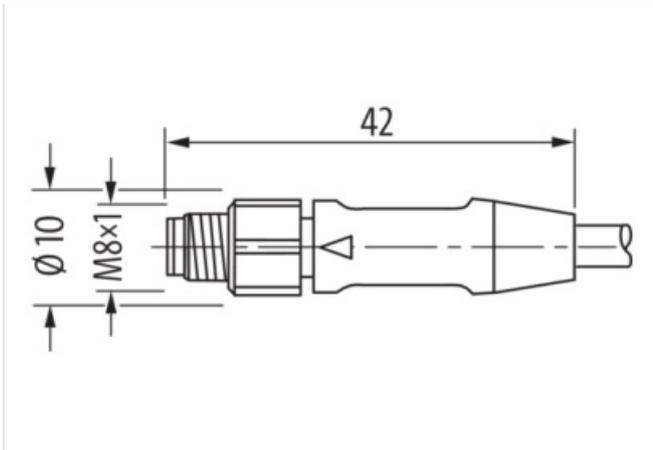
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

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**



Product may differ from Image



Header

Material short text

MSDL0-H-R828_0.6-S03

Cable length

0,60 m

Side 1	
Family construction form	M8
Coding	A
Threaded hole	M8 x 1
Tightening torque	0,4 Nm
Width across flats	SW9
suitable for corrugated tube (internal Ø)	10 mm
Side 2	
Family construction form	M12
Coding	A
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW13
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7003-88268-8280060
GTIN	4048879500739
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060311
ECLASS-9.1	27060311
ECLASS-10.0.1	27060311
ECLASS-10.1	27060311
ECLASS-11.0	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311
ECLASS-14.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879500739
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Material housing	PUR
Locking material	Stainless steel 1.4404 (V4A)
Coating locking	PTFE beschichtet

Material gasket FKM

Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min. -30 °C

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.

Installation | Cable

Cable identification 828

Amount stranding 1

Stranding 5 wires around core filler twisted

Banding PTFE-foil

Filler Yes

Wire arrangement brown, black, blue, white, green-yellow

Cable weight 40,8 g/m

Material wire insulation FEP

Amount wires 5

Outer diameter insulation 1,3 mm

Outer diameter tolerance core insulation $\pm 0,1$ mm

Shore hardness wire insulation 55 \pm 5 Shore D

Ingredient freeness wire insulation lead-free, CFC-free, halogen-free

Amount strands (wire) 19

Diameter of single wires 34 AWG

Conductor crosssection (wire) 22 AWG

Material conductor wire copper stranded wire, tinned

Outer-diameter (jacket) 4,3 mm

Tolerance outer diameter (sheath) ± 5 %

Material jacket FEP

Shore hardness jacket 57 \pm 5 Shore A

Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free

Conductor resistance (wire) 52.17 Ω /km @ 20 °C

Nominal voltage max. 600 V

Withstand voltage (wire - wire) 2 kV @ 60 s

Withstand voltage (wire - jacket) 2 kV @ 60 s

Current load capacity (standard) to DIN VDE 0298-4

Current load capacity max. (wire) 4,5 A

Operating temperature min. (static) -100 °C

Operating temperature max. (static) 180 °C

Operating temperature min. (dynamic) -100 °C

Operating temperature max. (dynamic) 180 °C

Bending radius (fixed) 7.5 \times Outer diameter

Bending radius (dynamic) 15 \times Outer diameter