

M8 male 90° with cable

PUR 8x0.14 bk 5m

Art.No.: 7000-08931-6960500

Weight: 0.079 kg

Country of origin: CZ

Model designation: MSIL0-08D696_5.0

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 90°

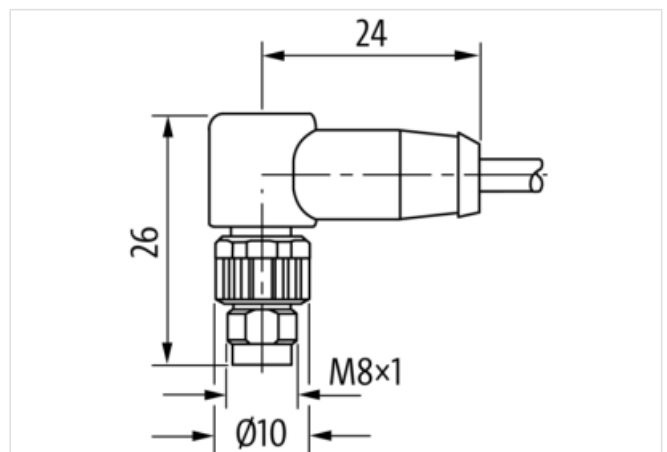
M8, 8-pole

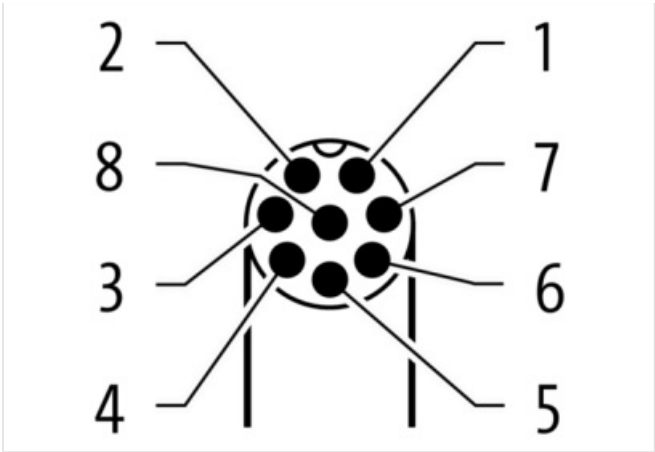
with cable sleeves

Plastic housings with good resistance against chemicals and oils.

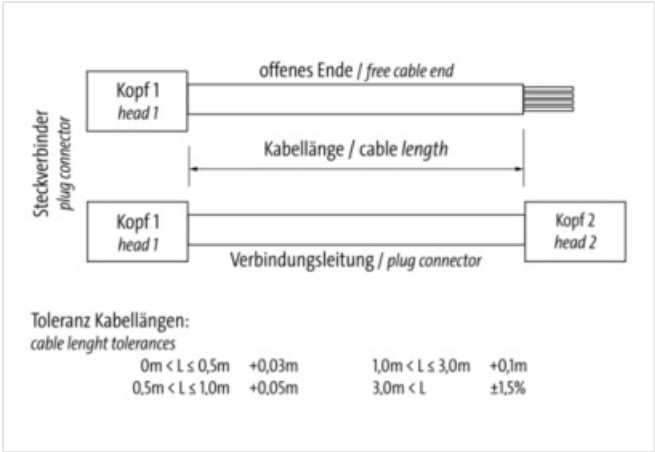
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

[Link to Product](#)**Illustration**



1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD



Product may differ from Image



Cable length 5,00 m

Side 1	
Family construction form	M8
No. of poles	8
Coding	A
Gender	male
Mounting method	inserted, screwed
Threaded hole	M8 x 1
Tightening torque	0,4 Nm
Width across flats	SW9
Cable outlet	angled
Material	TPU
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67
Side 2	
Family construction form	free cable end
Commercial data	

URL Webshop	https://shop.murrelektronik.com/7000-08931-6960500
GTIN	4048879745338
EU-Customs tariff number	85444290
US-Customs tariff number	8544429090
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
ETIM-9.0	EC001855
ETIM-10.0	EC001855
customs tariff number	85444290
EAN	4048879745338
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	1,5 A
Diagnostics	
Status indication LED	No
Installation Connection	
Mounting set	M8 x 1
Mating cycles min.	100
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3/2
Insulation resistance min.	100 mΩ
Mechanical data Material data	
Screw connection	Zinc die-casting
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Coating locking	Nickeled
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C

Operating temperature max.	80 °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 61076-2-104 (M8)
------------------	-------------------------

Installation | Cable

Cable identification	696
Cable weight	0 g/m
UL AWM Style	20549
Stranding	1 × 8 wires around core filler twisted
Filler	Yes
Wire arrangement	BN, GN, YE, GY, PK, BU, RD, WH
Material wire insulation	PP
Amount wires	8
Outer diameter insulation	1.07 mm ± 0.02 mm
Conductor crosssection (wire)	0,14 mm²
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	18 × 0.1 mm
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Material jacket	TPE-U
Outer-diameter (jacket)	5.5 mm ± 5 %
Jacket Color	black / RAL 9005
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Conductor resistance (wire)	138 Ω/km @ 20 °C
Nominal voltage max.	300 V
Withstand voltage (wire - wire)	3 kV @ 60 s
Withstand voltage (wire - jacket)	3 kV @ 60 s
Current load capacity max. (wire)	4,8 A
Current load capacity (standard)	to DIN VDE 0298-4
Operating temperature (static)	-40 °C ... 80 °C
Operating temperature (dynamic)	-25 °C ... 80 °C
Operating temperature (drag chain)	-5 °C ... 60 °C
Other resistances	resistant to hydrolysis, resistant to microbes
Notes	application-related testing
Bending radius (fixed)	6 × Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	100 m @ 25 °C
Travel speed (C-track)	5 m/s @ 25 °C
Acceleration (C-track)	10 m/s² @ 25 °C