

MVP12, 6XM12, 5POLE, PLUGGABLE CABLE

10.0m PUR/PVC 12x0,34+5x0,75

Art.No.: 27077

Weight: 2.603 kg

Country of origin: CZ

Model designation: MVM6-UHB10.0-MP

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

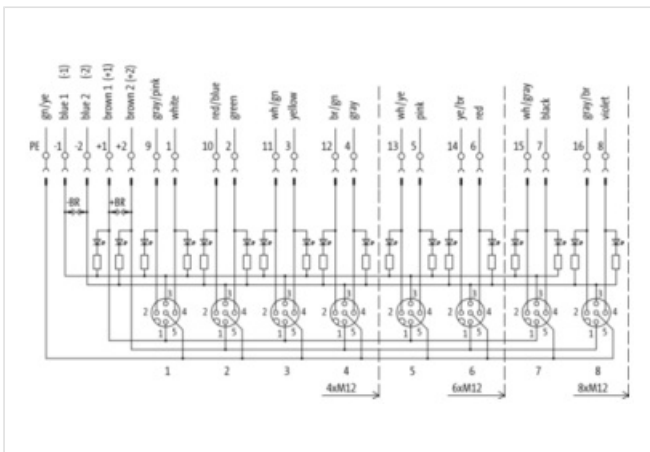
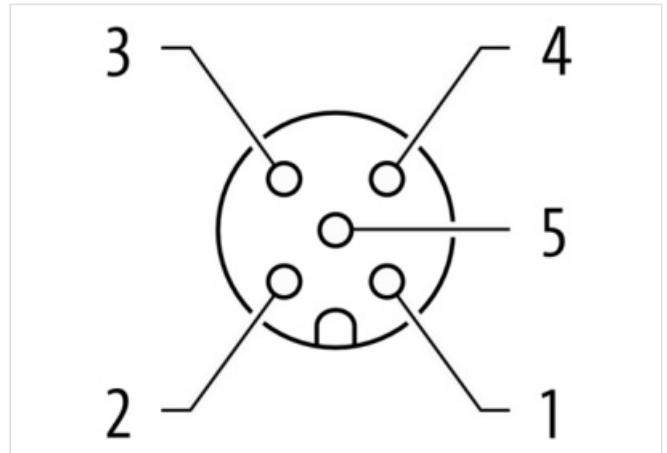
The resistance to aggressive media should be individually tested for your application. Further details on request.

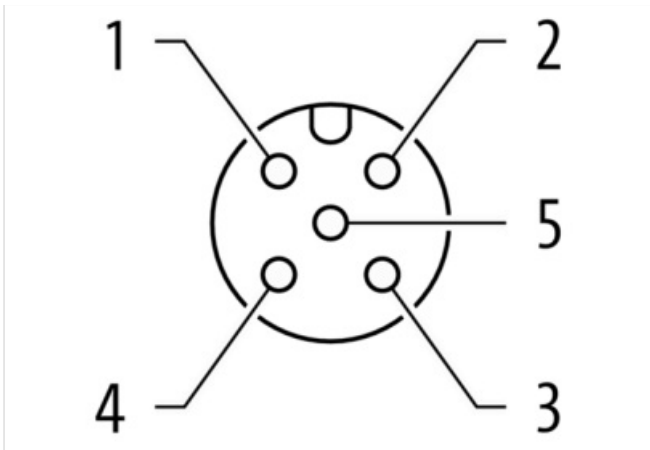
potentially separated

with LED for digital PNP-signals 24 V DC

[Link to Product](#)

Illustration





Product may differ from Image

**Commercial data**

URL Webshop	https://shop.murrelektronik.com/27077
GTIN	4048879064255
Customs tariff number	85444290
ECLASS-6.0	27279219
ECLASS-6.1	27279219
ECLASS-7.0	27279219
ECLASS-7.1	27279219
ECLASS-8.0	27279219
ECLASS-8.1	27279219
ECLASS-9.0	27440108
ECLASS-9.1	27440108
ECLASS-10.0.1	27440108
ECLASS-10.1	27440108
ECLASS-11.0	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ECLASS-13.0	27440108
ECLASS-14.0	27440108
ETIM-5.0	EC002585
ETIM-6.0	EC002585
ETIM-7.0	EC002585
ETIM-8.0	EC002585
customs tariff number	85444290
EAN	4048879064255
Packaging unit	1

Electrical data | Supply

Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Total current at 1 time current feed-in max.	8 A
Total current at 2 times current feed-in max.	16 A

Industrial Communication	
Number of signals per port	2
Installation Connection	
Tightening torque	0,6 Nm
Mounting set	M12 x 1
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67, IP65
Additional condition protection degree	inserted, screwed
Device protection Media	
Flame resistance	flame retardant
Mechanical data Material data	
housing	PBT
Mechanical data Mounting data	
Height	125 mm
Width	50,2 mm
Depth	17 mm
Mounting method	Schraubgewinde, screwed, Shaking protection
Cable length	10 m
Environmental characteristics Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality
Installation Cable	
Stranding	1 × 6 wires around core filler twisted
Stranding factor min.	80 mm
Stranding factor max.	80 mm
Stranding (type 2)	1 × 12 wires stranded in opposite direction around stranding combination
Stranding factor min. (type 2)	140 mm
Stranding factor max. (type 2)	140 mm
Banding	Fleece
Filler	Yes
Wire arrangement	(GNWH, BNGN, BK, VT, GYPK, RDBU), BNYE, YEWH, RD, PK, GY, YE, GN, WH, BN, BU, BNGY, GYWH
Electrical function wire	Signal
Material wire insulation	PP
Amount wires	16
Outer diameter insulation	1.5 mm ± 0.05 mm
Conductor crosssection (wire)	0,34 mm ²
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	42 × 0.1 mm
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, LABS-free, silicone-free
Electrical function wire (type 2)	Power
Material wire insulation (type 2)	PP
Amount wires (type 2)	2
Outer diameter wire insulation (type 2)	1.8 mm ± 0.05 mm
Conductor crosssection (wire type 2)	0,75 mm ²
Material conductor wire (type 2)	Stranded copper wire, bare
Core construction (wire type 2)	96 × 0.1 mm
Ingredient freeness wire insulation (type 2)	lead-free, cadmium-free, CFC-free, halogen-free, LABS-free, silicone-free
Material jacket	PUR
Outer-diameter (jacket)	10.4 mm ± 5 %
Jacket Color	gray / RAL 7040

Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, LABS-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Conductor resistance (wire)	57 Ω/km @ 20 °C
Conductor resistance (wire type 2)	26 Ω/km @ 20 °C
Max. rated voltage (conductor - ground)	300 V
Max. rated voltage (conductor - conductor)	500 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Current load capacity max. (wire)	4 A
Current load capacity max. Wire (type 2)	12 A
Current load capacity (standard)	to DIN VDE 0298-4
Operating temperature (static)	-40 °C ... 80 °C / 90 °C @ 10000 h Operation
Operating temperature (dynamic)	-25 °C ... 80 °C / 90 °C @ 10000 h Operation
Operating temperature (drag chain)	-5 °C ... 60 °C
Flame resistance	IEC 60332-1-2
Oil resistance	ISO 19642-3
Chemical resistance	ISO 19642-3
Ozone resistance	IEC 60811-403
UV resistance	UL 1581 § 1200
Other resistances	resistance to gasoline (ISO 19642-3), resistant to mineral oils, greases, machine and gear oils and cooling lubricants, resistant to hydrolysis, resistant to microbes
Notes	application-related testing
Bending radius (fixed)	7.5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	10 m/s ² @ 25 °C

Connection type 2

Family construction form	free cable end
No. of poles	17
Color contact carrier	gray
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	black
PIN 1	+
PIN 2	NC S 2
PIN 3	-
PIN 4	NO S 1
PIN 5	PE