

MVP12, 6XM12, 5POLE, PLUGGABLE CABLE

5.0m PUR/PVC 12x0,34+3x0,75

Art.No.: 27032

Weight: 1.121 kg

Country of origin: DE

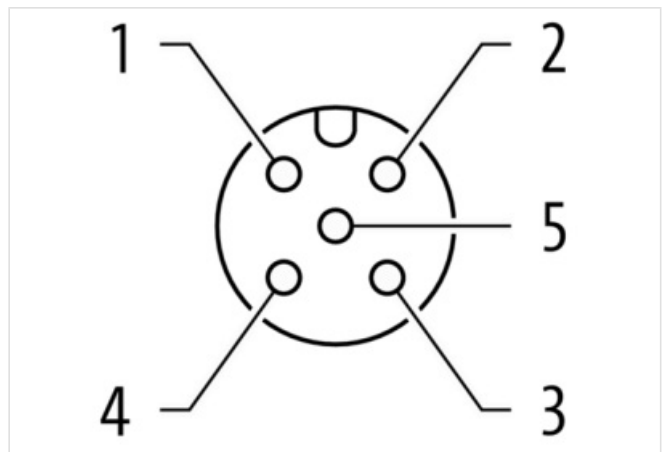
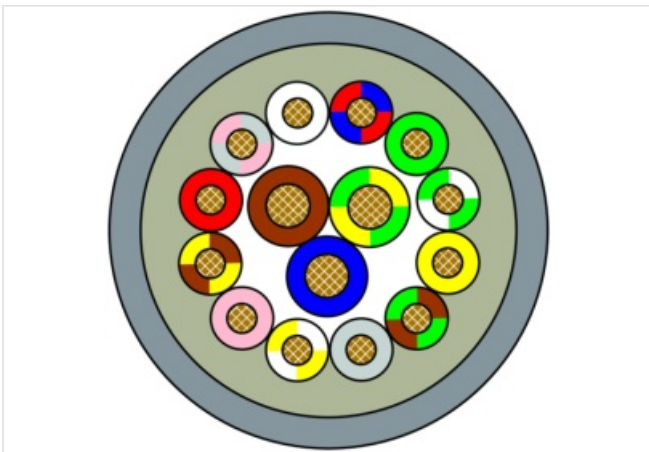
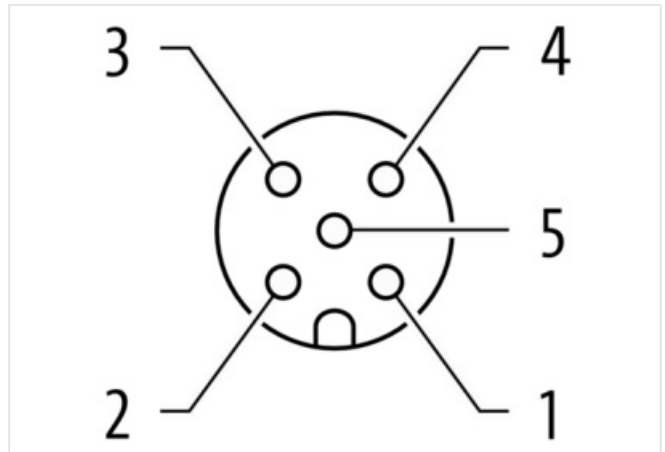
Model designation: MVM6-UHM5.0

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.

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/27032
GTIN	4048879064491
Customs tariff number	85366990

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	85366990
EAN	4048879064491
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 max.	8 A

Industrial Communication

Number of signals per port	2
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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
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Mechanical data | Material data

housing	PBT
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Mechanical data | Mounting data

Height	125 mm
Width	50,2 mm
Depth	17 mm
Mounting method	Schraubgewinde, screwed, Shaking protection
Cable length	5 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 × 3 wires stranded
Stranding (type 2)	1 × 12 wires stranded around stranding combination
Wire arrangement	(BN, GNYE, BU), RD, GYPK, WH, RDBU, GN, GNWH, YE, BNGN, GY, YEWH, PK, BNYE
Material wire insulation	PVC
Amount wires	12
Outer diameter insulation	1.3 mm ± 0.1 mm
Conductor crosssection (wire)	0,34 mm ²
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	19 × 0.15 mm
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Electrical function wire (type 2)	Power
Material wire insulation (type 2)	PVC
Amount wires (type 2)	3
Outer diameter wire insulation (type 2)	1.8 mm ± 0.1 mm
Conductor crosssection (wire type 2)	0,75 mm ²
Material conductor wire (type 2)	Stranded copper wire, bare
Core construction (wire type 2)	42 × 0.15 mm
Material properties wire insulation (type 2)	good machinability
Ingredient freeness wire insulation (type 2)	lead-free, cadmium-free, CFC-free, silicone-free
Material jacket	PUR
Outer-diameter (jacket)	9.2 mm ± 5 %
Jacket Color	gray / RAL 7040
Material inner jacket	PVC
Color (inner jacket)	gray
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-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)	300 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)	-30 °C ... 80 °C
Operating temperature (dynamic)	-5 °C ... 70 °C
Operating temperature (drag chain)	-5 °C ... 60 °C
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Notes	application-related testing
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	2 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	15
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