

MVP12, 6XM12, 5POLE, PLUGGABLE CABLE

3.0m PUR/PVC 12x0,34+3x0,75

Further cable lengths on request.  
6-way, 5-pole  
Plastic housings with good resistance against chemicals and oils.  
PUR/PVC  
The resistance to aggressive media should be individually tested for your application. Further details on request.  
3.0 m  
with LED for digital PNP-signals 24 V DC

Link to Product

Illustration



Product may differ from Image



Commercial data	
ECLASS-6.0	27279219
ECLASS-6.1	27279219
ECLASS-7.0	27279219
ECLASS-8.0	27279219
ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85369010
GTIN	4048879064507
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

#### Installation | Connection

Tightening torque 0,6 Nm

Mounting set M12 x 1

#### Device protection | Electrical

Degree of protection (EN IEC 60529) IP65, IP67

Additional condition protection degree inserted, screwed

#### Device protection | Media

Flame resistance flame retardant

#### Mechanical data | Material data

Material housing PBT

#### Mechanical data | Mounting data

Height 125 mm

Width 50,2 mm

Depth 17 mm

#### Environmental characteristics | Climatic

Operating temperature min. -20 °C

Operating temperature max. 80 °C

Additional condition temperature range depending on cable quality

#### Installation | Cable

Cable identification 388

Cable Type 2

Jacket Color gray

Type of Certificate cURus

STOOW style jacket Hybrid, Signal, Power

Amount stranding 1

Stranding 3 wires twisted

Amount stranding (type 2) 1

Stranding (type 2) 12 wires around Stranding combination twisted

wire arrangement blue, brown, green-yellow, (gray-pink, white, red-blue, green, green-white, yellow, brown-green, gray, yellow-white, pink, brown-yellow, red)

No. of bending cycles (C-track) 2 Mio. @ 25 °C

Cable weight 162,8 g/m

Material jacket PUR

Shore hardness jacket 87 ± 5 Shore A

Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free

Outer-diameter (jacket) 9,2 mm

Tolerance outer diameter (sheath) ± 5 %

Material inner jacket PVC

Color (inner jacket) gray

Material wire insulation PVC

Amount wires 12

Outer diameter insulation 1,3 mm

Outer diameter tolerance core insulation ± 5 %

Shore hardness wire insulation 43 ± 5 Shore D

Material properties wire insulation good machinability

Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free

Amount strands (wire) 19

Diameter of single wires 0,15 mm

Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Material wire insulation (Power)	PVC
Outer diameter wire insulation (Power)	1,8 mm
Tolerance outer diameter wire insulation (Power)	±5 %
Shore hardness wire insulation (Power)	43±5 Shore D
Material properties wire insulation (Power)	good machinability
Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
Amount wires (Power)	3
Amount strands wire (Power)	42
Diameter of single wires (Power)	0,15 mm
Wire conductor cross section (Power)	0,75 mm <sup>2</sup>
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Electrical resistance line constant wire	57 Ω/km
Electrical resistance coating wire (Power)	26 Ω/km @20 °C
Loop resistance	7,8 A
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

#### Connection type 2

Family construction form	free cable end
Color contact carrier	gray
No. of poles	15
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	+
PIN 2	NC S 2
PIN 3	-
PIN 4	NO S 1
PIN 5	PE