

MVP12, 8XM12, 5POLE, PLUGGABLE CABLE

5.0m PUR/PVC 16x0,34+3x0,75

Further cable lengths on request.  
8-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.  
5.0 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	4048879064453
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
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#### Industrial communication

Number of signals per port	2
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#### Installation | Connection

Tightening torque	0,6 Nm
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Mounting set	M12 x 1
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#### Device protection | Electrical

Degree of protection (EN IEC 60529)	IP65, IP67
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Additional condition protection degree	inserted, screwed
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#### Device protection | Media

Flame resistance	flame retardant
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#### Mechanical data | Material data

Material housing	PBT
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#### Mechanical data | Mounting data

Height	150 mm
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Width	50,2 mm
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Depth	17 mm
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#### Environmental characteristics | Climatic

Operating temperature min.	-20 °C
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Operating temperature max.	80 °C
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Additional condition temperature range	depending on cable quality
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#### Installation | Cable

Cable identification	398
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Cable Type	2
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Function cable	Hybrid, Signal, Power
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Jacket Color	gray
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Type of Certificate	cURus
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Amount stranding	1
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Stranding	7 wires around Core filler twisted
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Amount stranding (type 2)	1
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Stranding (type 2)	12 wires around Stranding combination twisted
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wire arrangement	white, gray-pink, brown-green, yellow, green-white, green, red-blue, (violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow)
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Cable weight	165 g/m
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Material jacket	PUR
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Shore hardness jacket	87 ± 5 Shore A
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Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
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Outer-diameter (jacket)	10 mm
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Tolerance outer diameter (sheath)	± 5 %
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Material inner jacket	PVC
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Color (inner jacket)	gray
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Material wire insulation	PVC
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Amount wires	16
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Outer diameter insulation	1,3 mm
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Outer diameter tolerance core insulation	± 5 %
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Shore hardness wire insulation	43 ± 5 Shore D
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Material properties wire insulation	good machinability
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Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
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Amount strands (wire)	19
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Diameter of single wires	0,15 mm
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Conductor crosssection (wire)	0,34 mm²
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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 mm²
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	strand class 6
Max. rated voltage (conductor - conductor)	300 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Current carrying capacity min. wire (Power)	7,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Electrical resistance coating wire (Power)	26 Ω/km @20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	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	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x 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

#### Connection type 2

Family construction form	free cable end
Color contact carrier	gray
No. of poles	19
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