

MVP-METALL, 4XM12, 5POLE, PRE-WIRED CABLE

5.0m PUR 8x0,34+3X0.75, UL/CSA

4-way, 5-pole  
5.0 m  
shielded  
Replaces identical product (Art.No. 27487)  
without LED, 5-pole (for analog signals)  
Further cable lengths on request.

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	85444290
GTIN	4048879351720
Packaging unit	1
<b>Electrical data   Supply</b>	
Operating voltage AC max.	48 V
Operating voltage DC max.	48 V
Current operating per contact max.	4 A
<b>Installation   Connection</b>	
Mounting set	M12 x 1
<b>Device protection   Electrical</b>	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68
<b>Mechanical data   Material data</b>	
Coating housing	Nickel
Material housing	Zinc die-casting
<b>Mechanical data   Mounting data</b>	
Mounting method	Schraubgewinde
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-25 °C
Operating temperature max.	90 °C
Additional condition temperature range	depending on cable quality
<b>Installation   Cable</b>	
Cable identification	373
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
Stranding factor min.	43 mm
Stranding factor max.	43 mm
Amount stranding (type 2)	1
Stranding (type 2)	8 wires around Stranding combination counter-rotating twisted
Stranding factor min. (type 2)	90 mm
Stranding factor max. (type 2)	90 mm
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
wire arrangement	yellow, white, green, (blue, brown, green-yellow, gray, gray-pink, red-blue, green-white, brown-green)
No. of bending cycles (C-track)	5 Mio.
Cable weight	145,2 g/m
Material jacket	PUR
Shore hardness jacket	85 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Outer-diameter (jacket)	9,3 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	TPE-E
Amount wires	8
Outer diameter insulation	1,4 mm

Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	55 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Data)	TPE-E
Outer diameter wire insulation (Data)	1,8 mm
Tolerance outer diameter wire insulation (data)	± 5 %
Shore hardness wire insulation (Data)	55 Shore D
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Amount wires (Data)	3
Amount strands wire (Data)	96
Diameter of single wires (Data)	0,1 mm
Conductor crosssection wire (Data)	0,75 mm²
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Current load capacity min. Wire (Data)	12 A
Electrical resistance line constant wire	53 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	26 Ω/km @ 20 °C
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	500 V
AC withstand voltage power (wire - shield)	2 kV @ 60 s
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)	-40 °C
Max. operating temperature (fixed)	90 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	90 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   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 (installation)	x Outer diameter
Bending radius (fixed)	x Outer diameter
Bending radius (dynamic)	12 x Outer diameter

#### Connection type 2

Family construction form	free cable end
No. of poles	16
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