

MVP12, 8XM12, 5POLE, PLUGGABLE CABLE

15.0m 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.  
15.0 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	85444290
GTIN	4048879064439
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	150 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**

STOOW style jacket	Hybrid, Signal, Power
--------------------	-----------------------

Cable identification	398
----------------------	-----

Cable Type	2
------------	---

Jacket Color	gray
--------------	------

Type of Certificate	cURus
---------------------	-------

Amount stranding	1
------------------	---

Stranding	7 wires around Core filler twisted
-----------	------------------------------------

Amount stranding (type 2)	1
---------------------------	---

Stranding (type 2)	12 wires around Stranding combination twisted
--------------------	---

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)
------------------	--

Cable weight	165 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)	10 mm
-------------------------	-------

Tolerance outer diameter (sheath)	± 5 %
-----------------------------------	-------

Material inner jacket	PVC
-----------------------	-----

Color (inner jacket)	gray
----------------------	------

Material wire insulation	PVC
--------------------------	-----

Amount wires	16
--------------	----

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 mm²
-------------------------------	----------

Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3
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 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
Loop resistance	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
Travel speed (C-track)	2 Mio. @ 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