

MVP12 Steel F&B, 8XM12, 5POLE, PRE-WIRED CABLE

30.0m TPE-V 16x0.5+3x1.0

Art.No.: 8044-78510-4533000

Weight: 6.650 kg

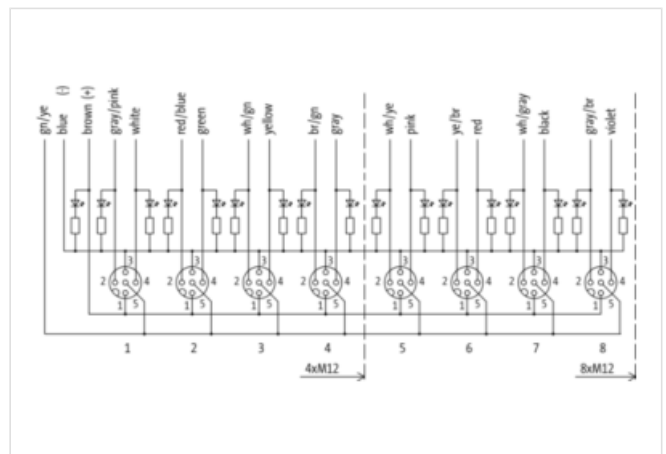
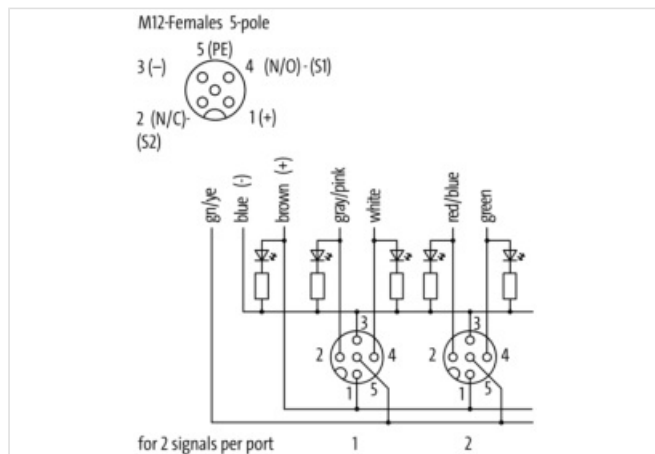
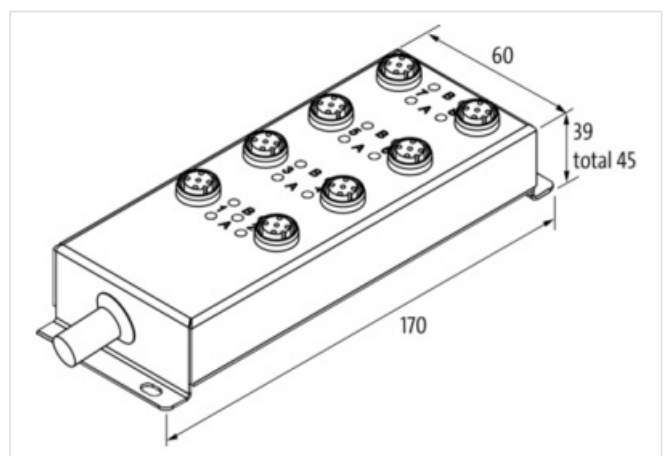
Country of origin: DE

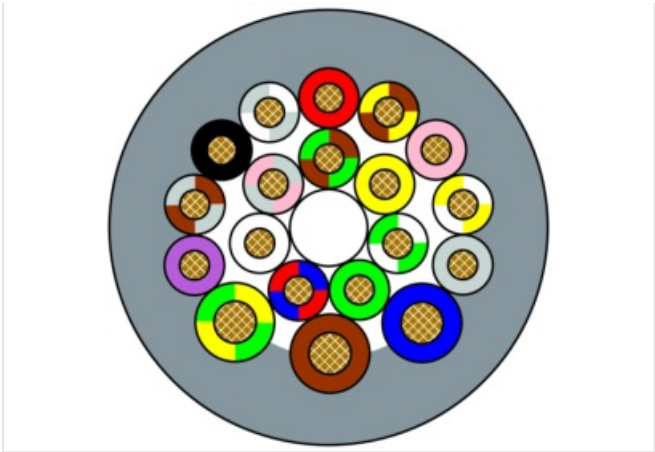
Model designation: MVP12M-AN8F 453 30.0 F&B

5-pole

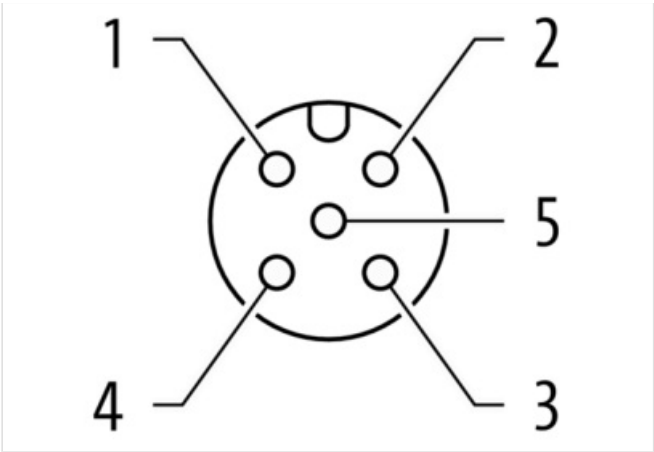
Further cable lengths on request.

The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)**Illustration**



Product may differ from Image



Commercial data	
URL Webshop	https://shop.murrelektronik.com/8044-78510-4533000
GTIN	4048879554190
EU-Customs tariff number	85444290
US-Customs tariff number	8544429090
ECLASS-6.0	27143423
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	85444290
EAN	4048879554190
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	

Degree of protection (EN IEC 60529)	IP67, IP68, IP65
-------------------------------------	------------------

Degree of protection (ISO 20653:2013)	IP69K
---------------------------------------	-------

Additional condition protection degree	inserted, screwed
--	-------------------

Mechanical data | Material data

housing	Stainless steel 1.4404 (V4A)
---------	------------------------------

Mechanical data | Mounting data

Mounting method	Schraubgewinde
-----------------	----------------

Cable length	30 m
--------------	------

Environmental characteristics | Climatic

Operating temperature min.	-30 °C
----------------------------	--------

Operating temperature max.	80 °C
----------------------------	-------

Additional condition temperature range	depending on cable quality
--	----------------------------

Installation | Cable

Stranding	1 Wires
-----------	---------

Stranding (type 2)	1 Wires
--------------------	---------

Filler	Yes
--------	-----

Wire arrangement	GYPK, BNGN, YE, GNWH, GN, RDBU, WH, (BNGY, BK, GYWH, RD, BNYE, PK, YEW, GY, BU, BN, GNYE, VT)
------------------	---

Material wire insulation	PP
--------------------------	----

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

Outer diameter insulation	1.6 mm ± 0.05 mm
---------------------------	------------------

Conductor crosssection (wire)	0,5 mm ²
-------------------------------	---------------------

Material conductor wire	Stranded copper wire, bare
-------------------------	----------------------------

Core construction (wire)	64 × 0.1 mm
--------------------------	-------------

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

Material wire insulation (type 2)	PP
-----------------------------------	----

Amount wires (type 2)	3
-----------------------	---

Outer diameter wire insulation (type 2)	2.1 mm ± 0.05 mm
---	------------------

Conductor crosssection (wire type 2)	1 mm ²
--------------------------------------	-------------------

Material conductor wire (type 2)	Stranded copper wire, bare
----------------------------------	----------------------------

Core construction (wire type 2)	128 × 0.1 mm
---------------------------------	--------------

Ingredient freeness wire insulation (type 2)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
--	--

Material jacket	TPE-V
-----------------	-------

Outer-diameter (jacket)	11.6 mm ± 5 %
-------------------------	---------------

Jacket Color	gray / RAL 7040
--------------	-----------------

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

Conductor resistance (wire)	39 Ω/km @ 20 °C
-----------------------------	-----------------

Conductor resistance (wire type 2)	19.5 Ω/km @ 20 °C
------------------------------------	-------------------

Nominal voltage max.	300 V
----------------------	-------

Withstand voltage (wire - wire)	2 kV @ 60 s
---------------------------------	-------------

Withstand voltage (wire - jacket)	2 kV @ 60 s
-----------------------------------	-------------

Current load capacity max. (wire)	5,9 A
-----------------------------------	-------

Current load capacity max. Wire (type 2)	15 A
--	------

Current load capacity (standard)	to DIN VDE 0298-4
----------------------------------	-------------------

Operating temperature (static)	-40 °C ... 90 °C
--------------------------------	------------------

Operating temperature (dynamic)	-20 °C ... 90 °C
---------------------------------	------------------

Bending radius (fixed)	5 × Outer diameter
------------------------	--------------------

Bending radius (dynamic)	10 × Outer diameter
--------------------------	---------------------

No. of bending cycles (C-track)	5 Mio. @ 25 °C
---------------------------------	----------------

Traversing distance (C-track)	5 m @ 25 °C
-------------------------------	-------------

Travel speed (C-track)	3.3 m/s @ 25 °C
------------------------	-----------------

Acceleration (C-track)	5 m/s ² @ 25 °C
------------------------	----------------------------

Connection type 2

Family construction form	free cable end
No. of poles	19
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