

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

20.0m TPE-V 16x0.5+3x1.0

Art.No.: 8044-78510-4532000

Weight: 4.650 kg

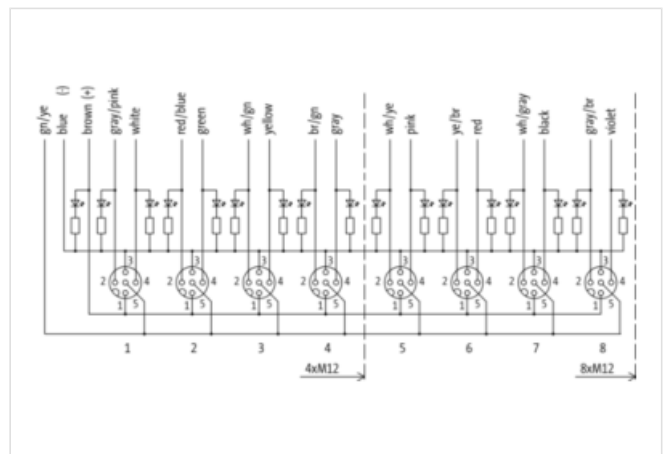
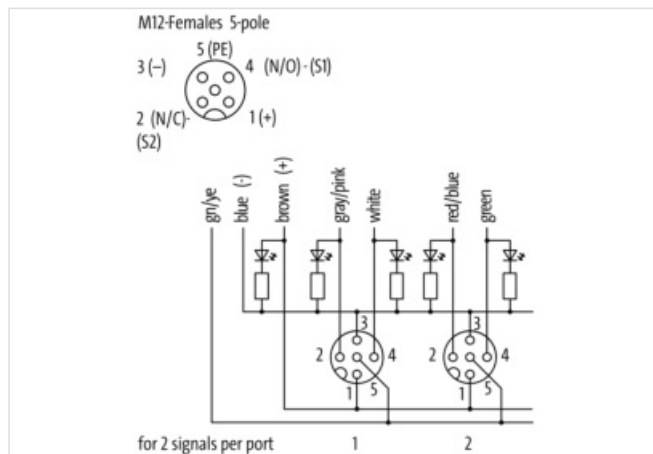
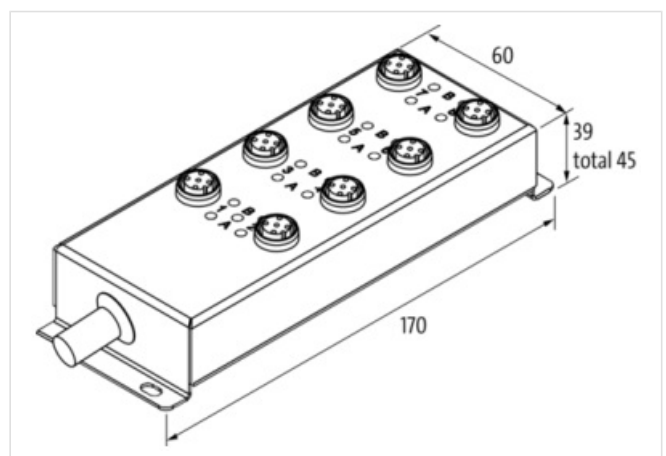
Country of origin: DE

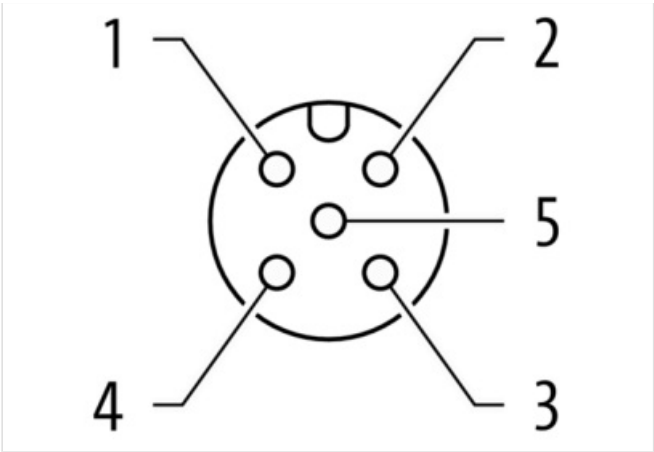
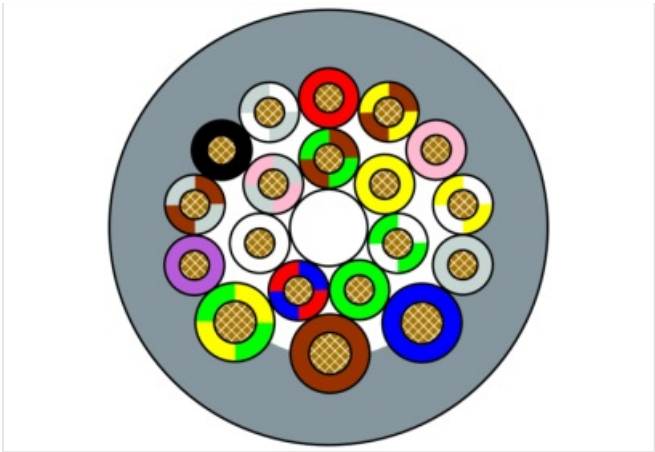
Model designation: MVP12M-AN8F 453 20.0 F&B

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/8044-78510-4532000
GTIN	4048879554176
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
ETIM-9.0	EC002585
ETIM-10.0	EC002585
customs tariff number	85444290
EAN	4048879554176
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)
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Mechanical data | Mounting data

Mounting method	Schraubgewinde
Cable length	20 m

Environmental characteristics | Climatic

Operating temperature min.	-30 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality

Installation | Cable

Cable identification	453
Cable Type	Food & Beverage
Function cable	Hybrid
Cable weight	181 g/m
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

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-08-08

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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/s² @ 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