

MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

15.0m PUR 16x0,5+3x1,0, UL/CSA

Art.No.: 8000-58511-4521500

Weight: 3.5

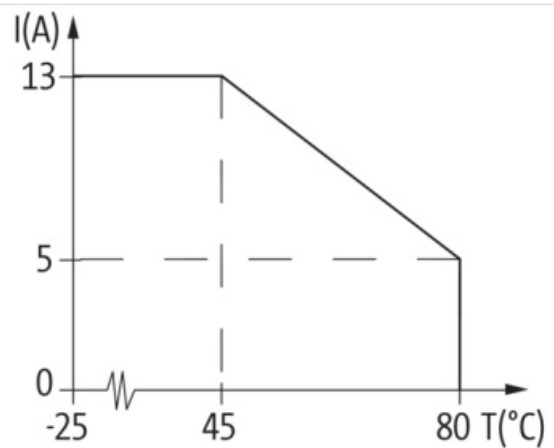
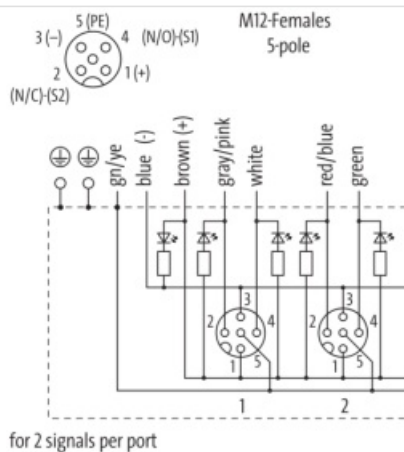
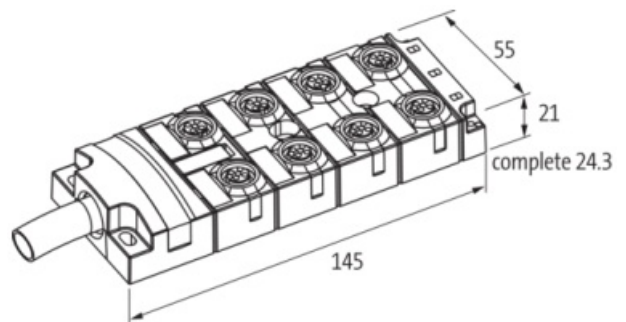
Country of origin: CZ

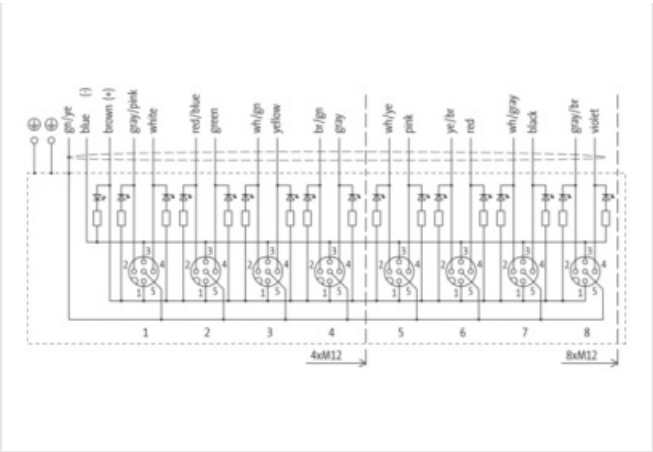
Model designation: MVP12M-AN8F 452 15.0-NP

15.0 m

Replaces identical product (Art.No. 27563)

Further cable lengths on request.

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



Product may differ from Image



Commercial data	
URL Webshop	https://shop.murrelektronik.com/8000-58511-4521500
GTIN	4048879352949
ECLASS-6.0	27279219
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
EAN	4048879352949
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
Mechanical data Material data	
Material housing	Zinc die-casting

Coating housing

Nickeled

Mechanical data | Mounting data

Mounting method Schraubgewinde

Environmental characteristics | Climatic

Operating temperature min. -25 °C

Operating temperature max. 90 °C

Additional condition temperature range depending on cable quality

Installation | Cable

Function cable Hybrid, Signal, Power

Amount stranding 1

Stranding Wires

Amount stranding (type 2) 1

Stranding (type 2) Wires

Banding Fleece

Filler yes

Wire arrangement gray-pink, brown-green, yellow, green-white, green, red-blue, white, (, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet,)

Cable weight 231 g/m

Material wire insulation PP

Amount wires 16

Outer diameter insulation 1.6 mm

Outer diameter tolerance core insulation ± 0.1 mm

Shore hardness wire insulation 70

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

Amount strands (wire) 64

Diameter of single wires 0.1 mm

Conductor crosssection (wire) 0.5 mm²

Material conductor wire Stranded copper wire, bare

Conductor type (wire) strand class 6

Material wire insulation (Power) PP

Outer diameter wire insulation (Power) 2.1 mm

Tolerance outer diameter wire insulation (Power) ± 0.1 mm

Shore hardness wire insulation (Power) 70

Ingredient freeness wire insulation (Power) LABS-free, CFC-free, cadmium-free, silicone-free, halogen-free, lead-free

Amount wires (Power) 3

Amount strands wire (Power) 128

Diameter of single wires (Power) 0.1 mm

Wire conductor cross section (Power) 1 mm²

Material conductor wire (Power) Stranded copper wire, bare

Conductor type wire (Power) strand class 6

Outer-diameter (jacket) 11.5 mm

Tolerance outer diameter (sheath) ± 5 %

Material jacket PUR

Shore hardness jacket 90

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

Material property (jacket) matte, good machinability, abrasion-resistant, low adhesion

Electrical resistance line constant wire 39 Ω /km @ 20 °CElectrical resistance coating wire (Power) 19.5 Ω /km @ 20 °C

Max. rated voltage (conductor - ground) 300 V

Max. rated voltage (conductor - conductor) 500 V

AC withstand voltage (wire - wire) 2 kV @ 60 s

Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	5.9 A
Current load capacity min. Wire (Data)	15 A
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (drag chain)	-5 °C
Operating temperature max. (drag chain)	60 °C
Bending radius (fixed)	7.5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	10 m/s² @ 25 °C

Connection type 2

Family construction form	free cable end
No. of poles	16
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