

Exact12, 8xM12, 5-pole, moulded cable

5.0m PUR 16x0.5+3x1.0, UL/CSA

Art.No.: 8099-88510-4520500

Weight: 1.060 kg

Country of origin: DE

Model designation: MVP12N AN8F452 5.0M ATEX

8-way, 5-pole

ATEX Zone 2 and 22

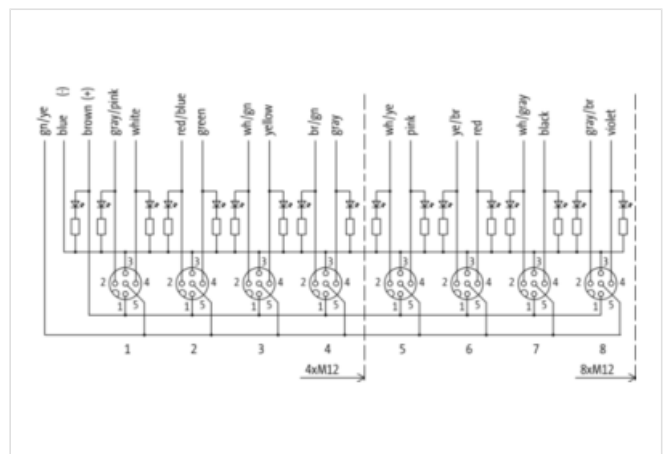
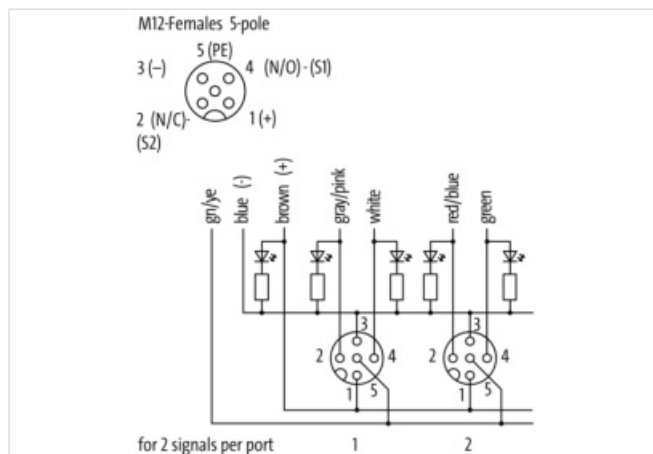
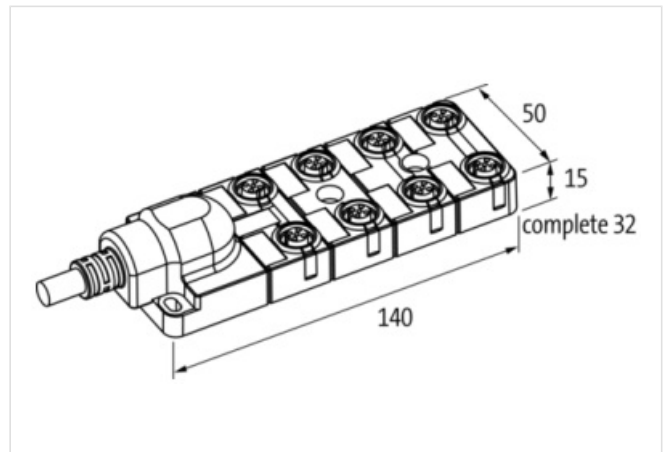
Further cable lengths on request.

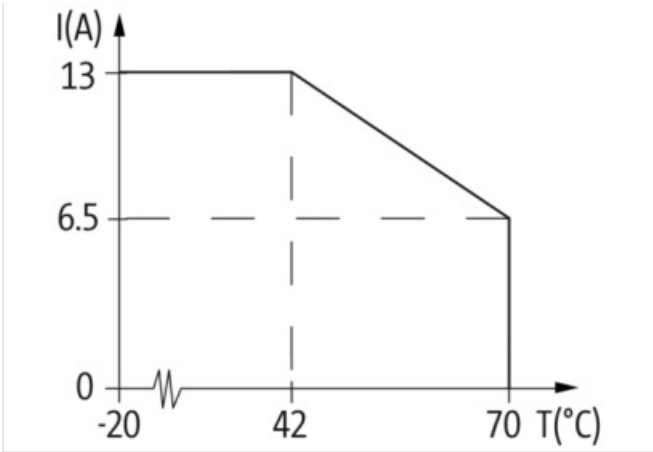
Plastic housings with good resistance against chemicals and oils.

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/8099-88510-4520500
GTIN	4048879655620
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	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
ETIM-9.0	EC001855
ETIM-10.0	EC001855
customs tariff number	85444290
EAN	4048879655620
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, IP65

Device protection | Media

Flame resistance flame retardant

Mechanical data | Material data

housing Plastic

Mechanical data | Mounting data

Mounting method Schraubgewinde

Cable length 5 m

Environmental characteristics | Climatic

Operating temperature min. -20 °C

Operating temperature max. 40 °C

Additional condition temperature range depending on cable quality

Installation | Cable

Cable identification 452

Cable Type 3

Function cable Hybrid, Signal, Power

Cable weight 201,1 g/m

UL AWM Style 20549 / 10493

Stranding 1 × 7 wires around core filler twisted

Stranding factor min. 80 mm

Stranding factor max. 80 mm

Stranding (type 2) 1 × 12 wires stranded in opposite direction around stranding combination

Stranding factor min. (type 2) 140 mm

Stranding factor max. (type 2) 140 mm

Banding Fleece

Filler Yes

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

Electrical function wire Signal

Material wire insulation PP

Amount wires 16

Outer diameter insulation 1.6 mm ± 0.1 mm

Conductor crosssection (wire) 0,5 mm²

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, LABS-free, silicone-free

Electrical function wire (type 2) Power

Material wire insulation (type 2) PP

Amount wires (type 2) 3

Outer diameter wire insulation (type 2) 2.1 mm ± 0.1 mm

Conductor crosssection (wire type 2) 1 mm²

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, LABS-free, silicone-free

Material jacket PUR

Outer-diameter (jacket) 11.5 mm ± 5 %

Jacket Color gray / RAL 7040

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

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

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

Conductor resistance (wire type 2)	19.5 Ω /km @ 20 °C
Max. rated voltage (conductor - ground)	300 V
Max. rated voltage (conductor - conductor)	500 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 ... 80 °C / 90 °C @ 10000 h Operation
Operating temperature (dynamic)	-25 °C ... 80 °C / 90 °C @ 10000 h Operation
Operating temperature (drag chain)	-5 °C ... 60 °C
Flame resistance	IEC 60332-1-2
Oil resistance	ISO 19642-3
Chemical resistance	ISO 19642-3
Ozone resistance	IEC 60811-403
UV resistance	UL 1581 § 1200
Other resistances	resistance to gasoline (ISO 19642-3), resistant to mineral oils, greases, machine and gear oils and cooling lubricants, resistant to hydrolysis, resistant to microbes
Notes	application-related testing
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