

EXACT8, 10XM8, 4 POLE MOULDED CABLE

5.0m PUR 20*0,34+2*0,75 exit norm..

Art.No.: 8000-80110-4110500

Weight: 1.043 kg

Country of origin: DE

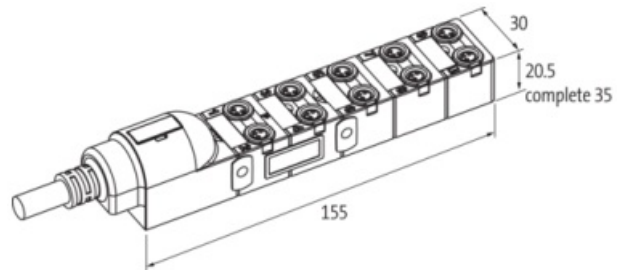
Model designation: MVP8N-AN10V411 5.0m

10-way, 4-pole

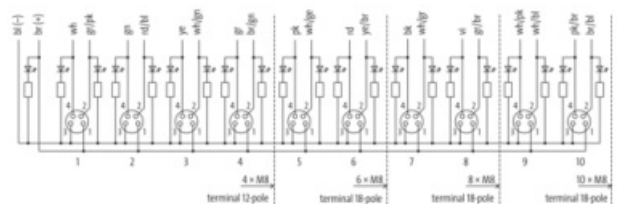
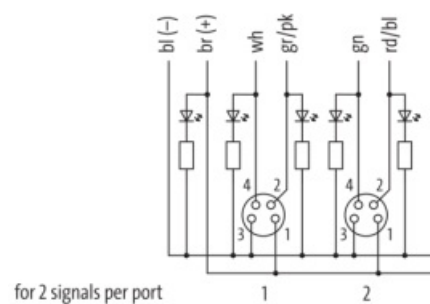
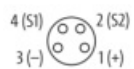
Further cable lengths on request.

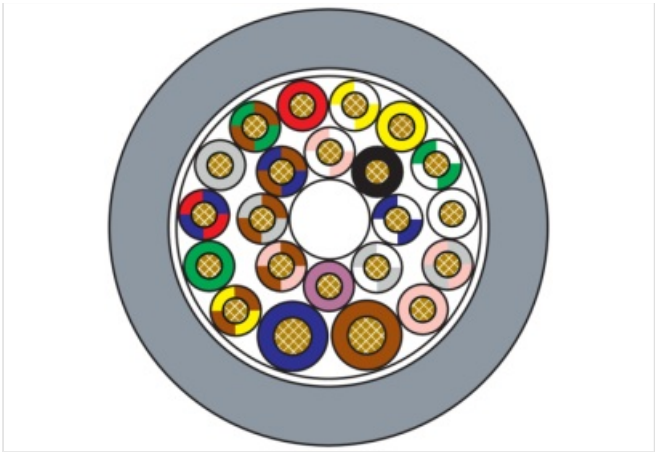
Plastic housings with good resistance against chemicals and oils.

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

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

M8-Females 4-pole





Product may differ from Image



Header

Material short text MVP8N-AN10V411 5.0m

Commercial data

URL Webshop	https://shop.murrelektronik.com/8000-80110-4110500
GTIN	4048879056717
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
customs tariff number	85444290
EAN	4048879056717
Packaging unit	1

Electrical data | Supply

Operating voltage DC	24 V
Current operating per contact max.	2 A
Total current max.	8 A

Industrial Communication

Number of signals per port 2

Installation | Connection

Mounting set M8 x 1

Device protection | Electrical

Degree of protection (EN IEC 60529) IP67, IP65

Device protection | Media

Flame resistance flame retardant

Mechanical data | Material data

Material housing Plastic

Mechanical data | Mounting data

Mounting method Schraubgewinde

Environmental characteristics | Climatic

Operating temperature min. -20 °C

Operating temperature max. 80 °C

Additional condition temperature range depending on cable quality

Installation | Cable

Cable identification 411

Cable Type 3

Function cable Hybrid, Signal, Power

Stranding 1 × 8 wires around core filler twisted

Stranding factor min. 80 mm

Stranding factor max. 80 mm

Amount stranding (type 2) 1

Stranding (type 2) 1 × 14 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 (brown-gray, brown-blue, white-pink, black, blue-white, gray-white, violet, brown-pink), red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink, brown, blue, brown-yellow, green

Cable weight 156 g/m

Material wire insulation PP

Amount wires 20

Outer diameter insulation 1,3 mm

Outer diameter tolerance core insulation ± 0,05 mm

Shore hardness wire insulation 70 ± 5 Shore D

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

Amount strands (wire) 42

Diameter of single wires 0,1 mm

Conductor crosssection (wire) 0,34 mm²

Material conductor wire Stranded copper wire, bare

Conductor type (wire) strand class 6

Electrical function wire Signal

Material wire insulation (type 2) PP

Outer diameter wire insulation (type 2) 1,8 mm

Tolerance outer diameter wire insulation (type 2) ± 0,05 mm

Shore hardness wire insulation (type 2) 70 ± 5 Shore D

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

Amount wires (type 2) 2

Amount strands wire (type 2) 96

Diameter of single wires (type 2) 0,1 mm

Conductor crosssection wire (type 2)	0,75 mm²
Material conductor wire (type 2)	Stranded copper wire, bare
Wire conductor type (type 2)	strand class 6
Electrical function wire (type 2)	Power
Outer-diameter (jacket)	11,3 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
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)	57 Ω/km @ 20 °C
Conductor resistance (wire type 2)	26 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 (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	4 A
Current load capacity max. Wire (type 2)	12 A
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	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
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
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	20
Family construction form	M8
No. of poles	4
Coding	A
Gender	female
Color contact carrier	black
PIN 1	+
PIN 2	S 2
PIN 3	-
PIN 4	S 1