

EXACT12, 8XM12, 5-POLE, MOULDED CABLE

10.0m PUR/PVC 16x0,34+3X0.75, UL/CSA

Art.No.: 8000-88510-3981000

Weight: 1.745 Country of origin: DE

Model designation: MVP12N-AN8F398 10.0M

8-way, 5-pole

Further cable lengths on request.

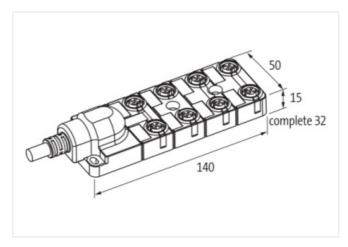
Plastic housings with good resistance against chemicals and oils.

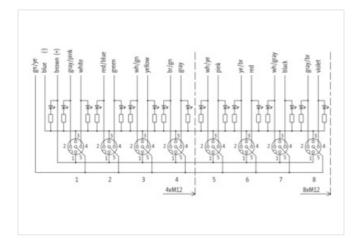
The resistance to aggressive media should be individually tested for your application. Further details on request.

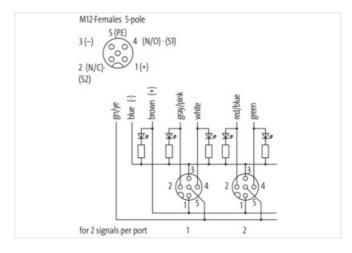
Link to Product

Illustration



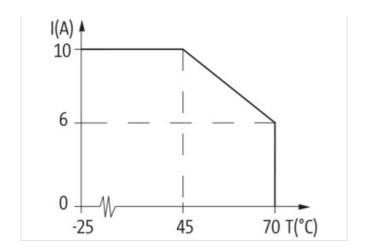




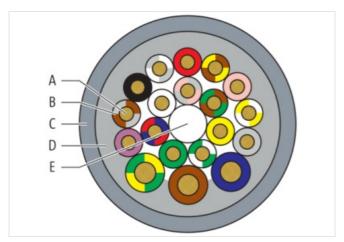


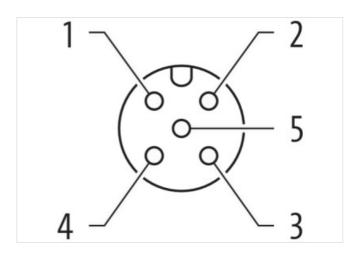


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Product may differ from Image











Header	
Material short text	MVP12N-AN8F398 10.0M
Commercial data	
URL Webshop	https://shop.murrelektronik.com/8000-88510-3981000
GTIN	4048879054010
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



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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	4048879054010
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	
Material housing	Plastic
Mechanical data Mounting data	
Mounting method	Schraubgewinde
Environmental characteristics Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	70 °C
Additional condition temperature range	depending on cable quality
Installation Cable	
Cable identification	398
Cable Type	2
Function cable	Hybrid, Signal, Power
Amount stranding	1
	1
Stranding	
	1 7 wires around core filler twisted
Stranding Amount stranding (type 2)	1 7 wires around core filler twisted 1
Stranding Amount stranding (type 2) Stranding (type 2)	1 7 wires around core filler twisted 1 12 wires stranded around stranding combination
Stranding Amount stranding (type 2) Stranding (type 2) Filler	1 7 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red,
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement	7 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth	1 7 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation	1 7 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation Amount wires	7 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC 16
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation Amount wires Outer diameter insulation	1 12 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC 16 1.3 mm
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	1 12 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC 16 1.3 mm ± 0.1 mm
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	1 12 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC 16 1.3 mm ± 0.1 mm 43 5 Shore D
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation	1 12 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC 16 1.3 mm ± 0.1 mm 43 5 Shore D good machinability
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation	1 12 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC 16 1.3 mm ± 0.1 mm 43 5 Shore D good machinability CFC-free, cadmium-free, silicone-free, lead-free
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire)	1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC 16 1.3 mm ± 0.1 mm 43 5 Shore D good machinability CFC-free, cadmium-free, silicone-free, lead-free
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	1 7 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC 16 1.3 mm ± 0.1 mm 43 5 Shore D good machinability CFC-free, cadmium-free, silicone-free, lead-free 19 0.15 mm
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire)	1 7 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC 16 1.3 mm ± 0.1 mm 43 5 Shore D good machinability CFC-free, cadmium-free, silicone-free, lead-free 19 0.15 mm 0.34 mm²
Stranding Amount stranding (type 2) Stranding (type 2) Filler Wire arrangement Cable weigth Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	1 7 wires around core filler twisted 1 12 wires stranded around stranding combination yes (, white, gray-pink, brown-green, yellow, green-white, green, red-blue,), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet 150 g/m PVC 16 1.3 mm ± 0.1 mm 43 5 Shore D good machinability CFC-free, cadmium-free, silicone-free, lead-free 19 0.15 mm 0.34 mm² Stranded copper wire, bare



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Outer diameter wire insulation (type 2)	1.8 mm
Tolerance outer diameter wire insulation (type 2)	± 0.1 mm
Material properties wire insulation (type 2)	good machinability
Ingredient freeness wire insulation (type 2)	cadmium-free, silicone-free, lead-free, CFC-free
Amount wires (type 2)	3
Amount strands wire (type 2)	42
Diameter of single wires (type 2)	0.15 mm
Conductor crosssection wire (type 2)	0.75 mm ²
Material conductor wire (type 2)	Stranded copper wire, bare
Wire conductor type (type 2)	strand class 6
Electrical function wire (type 2)	Power
Shore hardness wire insulation (type 3)	43
Outer-diameter (jacket)	10 mm
Tolerance outer diameter (sheath)	±5%
Material jacket	PUR
Shore hardness jacket	87 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Material inner jacket	PVC
Color (inner jacket)	gray
Conductor resistance (wire)	57 Ω/km @ 20 °C
Max. rated voltage (conductor - ground)	300 V
Max. rated voltage (conductor - conductor)	300 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 (ciamatra)	4 A
Current load capacity min. Wire (type 2)	12 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Operating temperature min. (drag chain)	-5 °C
Operating temperature max. (drag chain)	60 °C
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	resistant to hydrolysis, resistant to microbes, good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	2 m/s @ 25 °C
Acceleration (C-track)	10 m/s² @ 25 °C
Connection type 2	
Family construction form	free cable end
No. of poles	19
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	black
PIN 1	
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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: 2025-10-31



PIN 2	NC S 2	
PIN 3	-	
PIN 4	NO S 1	
PIN 5	PE	