

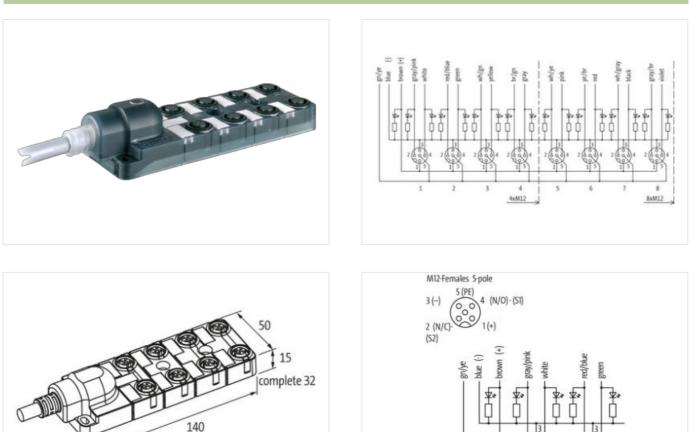
EXACT12, 8XM12, 5-POLE, MOULDED CABLE

10.0m PUR 16x0,5+3x1,0, UL/CSA

8-way, 5-pole 10.0 m 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		
CE	UK	257	

	LISTED	
Commercial data		
ECLASS-6.0	27143423	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	
ECLASS-9.0	27440108	

for 2 signals per port

1

2

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ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879053976
Packaging unit	1
Electrical data Supply	
	24 V
Operating voltage DC Current operating per contact max.	4 A
	48
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Device protection Media	
Flame resistance	flame retardant
Mechanical data Material data	
	Plastic
Material housing	
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	
Installation Cable Cable identification	452
	452 gray
Cable identification	
Cable identification Jacket Color	gray
Cable identification Jacket Color Type of Certificate Amount stranding Stranding	gray cURus
Cable identification Jacket Color Type of Certificate Amount stranding	gray cURus 1
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2)	gray cURus 1 7 wires around Core filler twisted
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding	gray CURus 1 7 wires around Core filler twisted 1
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2)	gray CURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding Filler wire arrangement	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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 identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding Filler wire arrangement Cable weigth	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding Filler wire arrangement Cable weigth Material jacket	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	gray cURus 1 7 wires around Core filler twisted 1 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	gray cURus 1 7 wires around Core filler twisted 1 1 vires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 11,5 mm
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 11,5 mm ± 5 %
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 11,5 mm ± 5 % TPE-E
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 11,5 mm ± 5 % TPE-E 16
Cable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Stranding (type 2)BandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter insulation	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 11,5 mm ± 5 % TPE-E 16 1,6 mm
Cable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Stranding (type 2)BandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationOuter diameter tolerance core insulation	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 11,5 mm ± 5 % TPE-E 16 1,6 mm ± 5 %
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Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 11,5 mm ± 5 % TPE-E 16 1,6 mm ± 5 % 55 ± 5 Shore D lead-free, CFC-free, halogen-free, LABS-free
Cable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Stranding (type 2)BandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulationAmount strands (wire)	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 11,5 mm ± 5 % TPE-E 16 1,6 mm ± 5 % 55 ± 5 Shore D lead-free, CFC-free, halogen-free, LABS-free 64
Cable identificationJacket ColorType of CertificateAmount strandingStrandingAmount stranding (type 2)Stranding (type 2)BandingFillerwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulation	gray cURus 1 7 wires around Core filler twisted 1 12 wires counter-rotating twisted Fleece yes 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) 231 g/m PUR 94 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 11,5 mm ± 5 % TPE-E 16 1,6 mm ± 5 % 55 ± 5 Shore D lead-free, CFC-free, halogen-free, LABS-free

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Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Data)	TPE-E
Outer diameter wire insulation (Data)	2,1 mm
Tolerance outer diameter wire insulation (data)	±5%
Shore hardness wire insulation (Data)	55 ± 5 Shore D
Ingredient freeness wire insulation (Data)	lead-free, halogen-free, silicone-free, LABS-free
Amount wires (Data)	3
Amount strands wire (Data)	128
Diameter of single wires (Data)	0,1 mm
Conductor crosssection wire (Data)	1 mm ²
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C
Max. rated voltage (conductor - conductor)	300 V
Max. rated voltage (conductor - ground)	300 V
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
Electrical resistance line constant wire	39 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	0° C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	90 °C
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Connection type 2	
Family construction form	free cable end
No. of poles	19
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	+
PIN 2	NC S 2
PIN 3	
PIN 4	NO S 1
PIN 5	PE

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