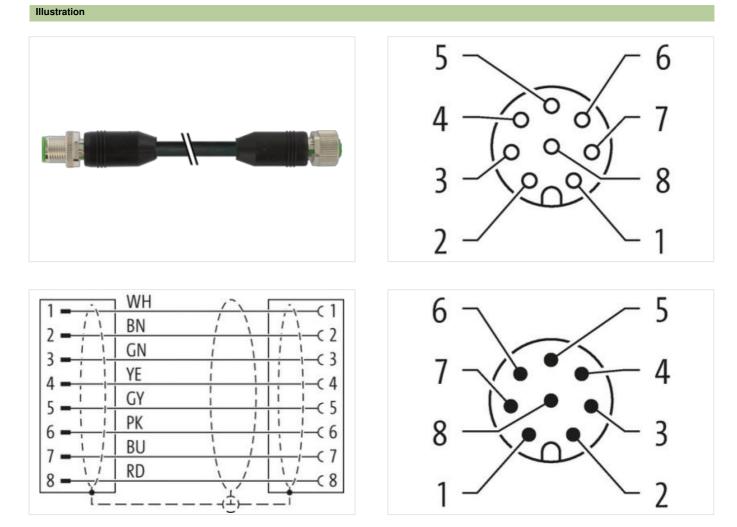


## M12 male $0^\circ$ / M12 female $0^\circ$ A-cod. shielded

PUR 8x0.25 shielded bk UL/CSA+drag ch. 3m

Male straight – female straight M12 – M12, 8-pole shielded 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. Further cable lengths on request.

## Link to Product



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Product may differ from Image



Cable length3 mSie 1Tightening torque0.6 NmFamily construction formM12 x1CodingAWitch across flatsSW3Sie 2Urghtening torque0.6 NmFamily construction formM12Tinread0.6 NmFamily construction formM12TinreadM12 x1CodingACoding X2729218ECLASS-6.027279218ECLASS-6.127279218ECLASS-0.027279218ECLASS-0.027279218ECLASS-0.027279218ECLASS-0.027260311ECLASS-1.027060311ECLASS-1.027060311ECLASS-1.127060311ECLASS-1.127060311ETIN-5.0coulds55coulds55Coulds55Coulds55Coulds55Coulds55Could colspan="2">Sie44280Colspan="2">Could colspan="2">Could colspan="2">Coul		
Tightening torque         0.6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           Width across flats         SW13           Side 2         Ightening torque         0.6 Nm           Family construction form         M12           Tightening torque         0.6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           Coding         A           Coding         A           Cotass 6.0         27279218           ECLASS 6.0         27279218           ECLASS 8.0         27279218           ECLASS 8.1         27060311           ECLASS 8.2         27279218           ECLASS 8.10         27060311           ECLASS 8.10         27060311           ECLASS 8.10         ECO01855           customs tariff number	Cable length	3 m
Family construction form         M12           Thread         M12 x 1           Coding         A           Width across flats         SW13           Side 2         Transmitter           Typhtening torque         0.6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           Commercial data         M12 x 1           ECLASS 6.0         27279218           ECLASS 6.1         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0         ECO01855           Customs tariff number         85444290           GTIN         4048879482837           Packaging unit         1           Electrical data   Supply         S0 V           Operating voltage AC (Max.         30 V           Operating voltage AC (Max	Side 1	
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Coding         A           Width across flats         SW13           Side 2         Tightening forque         0.6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           Coding         A           Commercial data         ECLASS-6.0           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         272060311           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879482837           Packaging unit         1           Electrical data   Supply         0V           Operating voltage AC	Family construction form	M12
Width across flats         SW13           Side 2	Thread	M12 x 1
Side 2           Tightening torque         0.6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           Commercial data         ECLASS-6.0           ECLASS-6.1         27279218           ECLASS-7.0         27060311           ECLASS-7.0         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879482837           Packaging unit         1           Electrical data   Supply         U           Operating voltage AC max.         30 V           Operating voltage AC max.         30 V           Operating voltage AC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating vo	Coding	Α
Tightening torque         0.6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879482837           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage AC (UL-listed)         30 V	Width across flats	SW13
Family construction form         M12           Thread         M12 x 1           Coding         A           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           cursoms tariff number         85444290           GTIN         4048879482837           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage AC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)	Side 2	
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ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879482837           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC max.         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V	Coding	A
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ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879482837           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         2 A	ECLASS-6.1	27279218
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879482837           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         2 A	ECLASS-7.0	27279218
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Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     2 A	Operating voltage DC max.	30 V
Current operating per contact max. 2 A	Operating voltage AC (UL-listed)	30 V
	Operating voltage DC (UL-listed)	30 V
Device protection   Electrical	Current operating per contact max.	2 A
	Device protection   Electrical	

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Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
Locking material	Zinc die-casting
Mechanical data   Mounting data	
	incorted serviced Chaling protection
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	717
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	8 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece. Foil
Filler	yes
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable weigth	66 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	7 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	8
Outer diameter insulation	1,2 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Traversing distance (C-track) Nominal voltage AC max.	5 m @ 25 °C   horizontal 300 V

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Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   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 (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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