

& B

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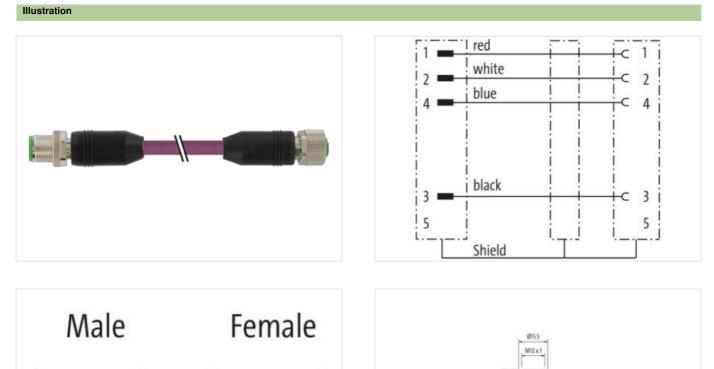
M12 male 0° / M12 female 0° B-cod. shielded

PUR AWG24+22 shielded vt UL/CSA+drag ch. 1m

Male straight – female straight M12 – M12, 4-pole B-coded shielded with cable sleeves 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

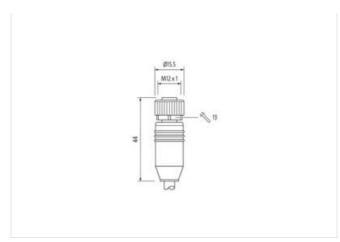
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Product may differ from Image



Cable length	1 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	4
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879141819
Packaging unit	1

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	60 V
Operating voltage AC max.	00 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
· · · · · · · · · · · · · · · · · · ·	Niskelad
Coating locking	Nickeled
Locking material	Zinc die-casting
Mechanical data Mounting data	
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	
•	200
Cable identification	803
Jacket Color	violet cURus
Type of Certificate Amount stranding	
Stranding	2 wires twisted
Amount stranding (type 2)	
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
Traversing distance (C-track)	5 m
Cable weigth	63,12 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)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
Material wire insulation	

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Duer diameter instalation 2.1 mm Outer diameter instalation 4.5 % Stroch britdress wire instalation 1.6 % Forne hardness wire instalation 1.6 4.5 Stroc D Impredient freeness wire instalation 1.6 4.5 Stroc D Damoter and vire wire instalation 1.6 4.4 NG Damoter ords single wires 2.4 AWG Damoter ord single wires 2.4 AWG Damoter ord single wires 2.4 AWG Conductor vires copper strandod wire, timed Data wire (mostalation) P2 Data wire (mostalation) P2 Outer diamoter wire insulation (Data) 1.5 mm Toterance outer diamoter wire insulation (Data) 1.5 3 % Ingredient freeness wire insulation (Data) 1.8 Area Damoter ord single wires (Data) 2.2 AWG Contractor coreasection wire (Data) 1.9 Coreas Damoter ord single wires 2.4 WG Current load capacity (standart) 0.0 V Current load capacity (standart) 0.0 V Current load capacity min, wire 4.5 A Current load capacity min, wire 4.5 A	Amount wires	2
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Electrical resistance coating wire (Data) 54 Ω/km AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °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 DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 1 Mio. No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Characteristic impedance	120 Ω ± 10 % @ 1 MHz
AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °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 DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 1 Mio. No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Electrical resistance line constant wire	78 Ω/km
Electric capacitance40000 pF/kmAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceODIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electric capacitance	40000 pF/km
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	Max. operating temperature (fixed)	80 °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 DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 1 Mio. No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Operating temperature min. (dynamic)	-30 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 1 Mio. No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	chemical resistance	Good, application-related testing
Bending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 1 Mio. No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 1 Mio. No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Bending radius (installation)	x Outer diameter
Travel speed (C-track)1 Mio.No. of torsion cycles2 Mio.Torsion stress± 30 °/m	Bending radius (fixed)	6 x Outer diameter
No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 30 °/m	Travel speed (C-track)	1 Mio.
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min

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: 2024-05-02