

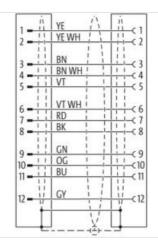
M12 male 0° / M12 female 0° A-cod. shielded

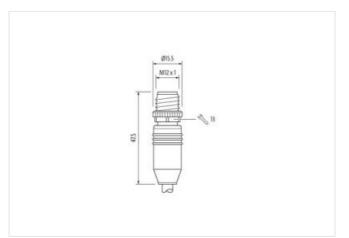
PVC 3x2x0.25+6x0.25 shielded bk UL/CSA 10m

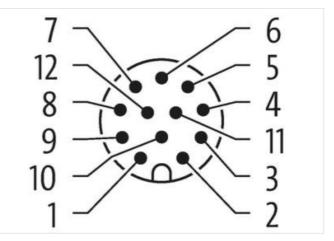
Primary / Master camera cable for Cognex and Zebra M12 A-coded 12P straight <> M12 A-coded 12P straight Male straight – female straight Pinning 1:1 shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product



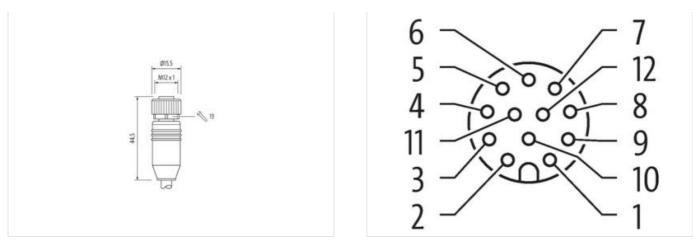






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Product may differ from Image



Cable length	10 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Gender	male
Cable outlet	straight
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	12
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Gender	female
Cable outlet	straight
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	12
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218

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ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879866750
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.	1,5 A
Diagnostics	
Status indication LED	
	no
Installation Pin assignment	
Configuration	fully used
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	1
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Color housing	black
Color contact carrier	green
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 tomporature range	
Additional condition temperature range	depending on cable quality
Important installation notes	depending on cable quality
	depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Important installation notes	
Important installation notes Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
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Important installation notes Note on strain relief Note on bending radius Conformity	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Important installation notes Note on strain relief Note on bending radius Conformity Product standard	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12)
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 446
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Jacket Color	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 446 black
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Jacket Color Type of Certificate	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 446 black cURus
Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12) 446 black cURus 1

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Stranding (type 2)	2 wires twisted
Stranding (type 3)	3 wires with 3 Stranded joints with 1 Hatchet strand around 1 Stranding combination twisted
Cable shielding (type) Cable shielding (coverage)	copper braid, tinned 65 %
Banding	
5	Fleece, Foil
Drain wire (type)	strand class 6
Drain wire (cross-section)	0,14 mm ²
wire arrangement	orange, gray, blue, (yellow-white, yellow, green, black, red, white-pink, pink, brown-white, brown)
Cable weigth	104,5 g/m
Material jacket	PVC
Shore hardness jacket	82 ± 3 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Outer-diameter (jacket)	7,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PVC
Amount wires	12
Outer diameter insulation	1,19 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	90 ± 3 Shore A
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm ²
Drain wire (cross-section)	0,14 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
AC withstand voltage (wire - shield)	3 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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)	10 x Outer diameter
Bending radius (dynamic)	20 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C

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