M12 fem. recept. X-cod. / RJ45 male 0° shielded

PUR 4x2xAWG26 shielded gn UL/CSA 15m

Art.No.: 7000-51551-7901500
Weight: 0.822 kg
Country of origin: DE
Model designation: MSXBFH-RA-08D790_15.0-ZS

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

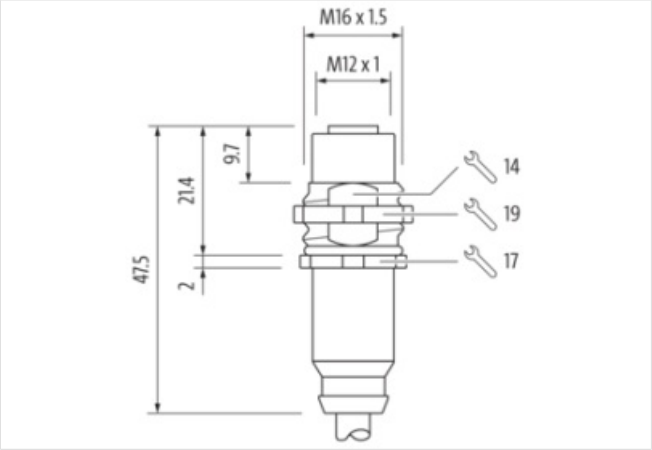
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details:

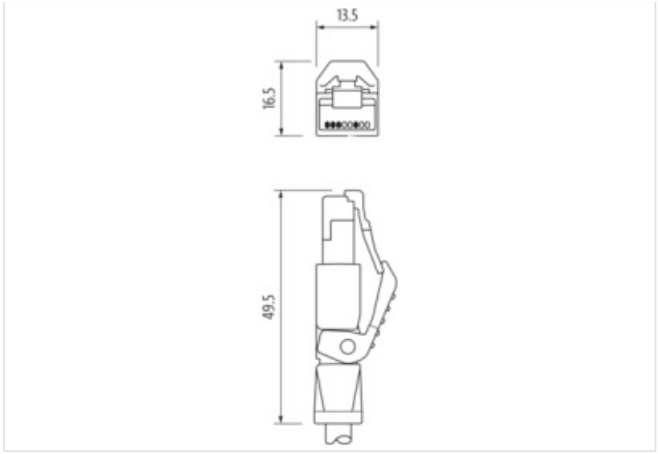
Product fulfills requirements according to UN/ECE R118
Ethernet CAT6A
Flange female straight – male straight
RJ45 – M12, 8-pole
X-coded
Shielded
Rear mounting
Transmission properties with channel transmission up to 50 m
Further cable lengths on request.
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.

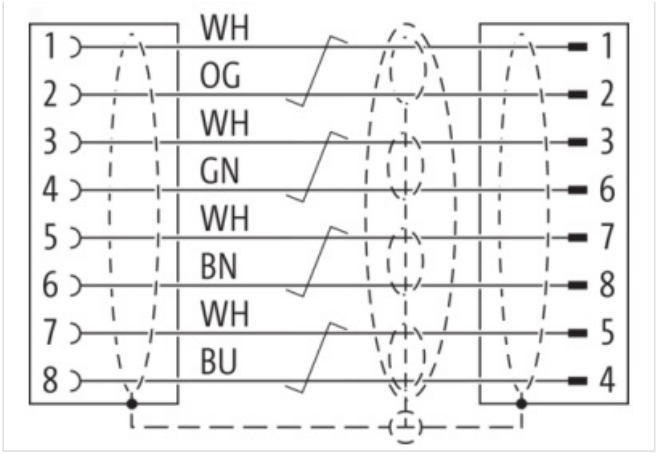
Link to Product

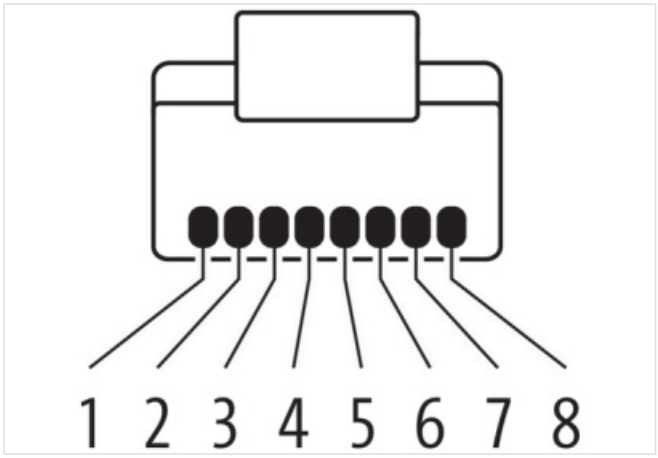
Illustration

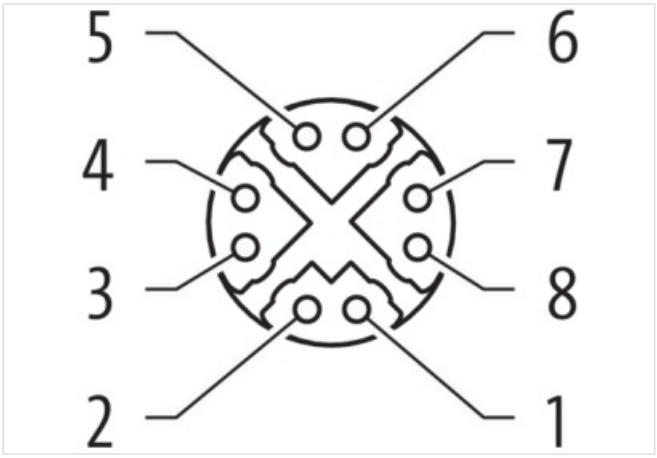


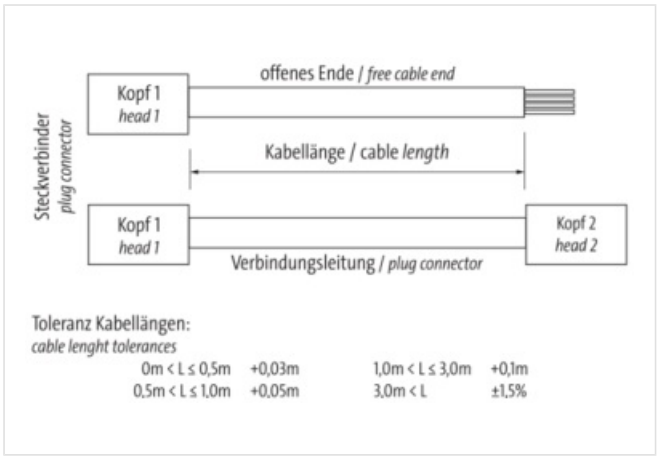
stay connected

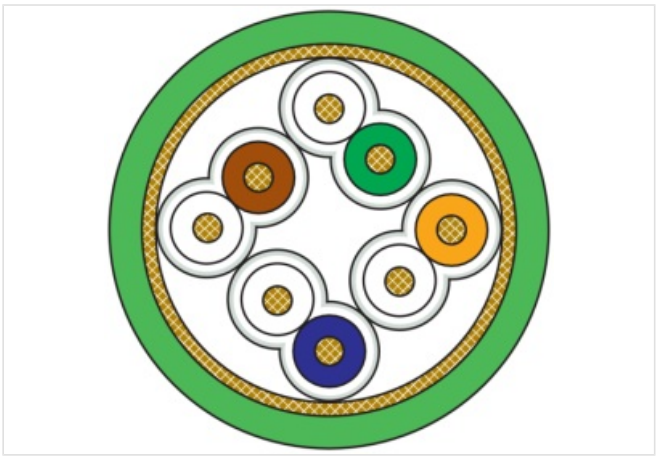












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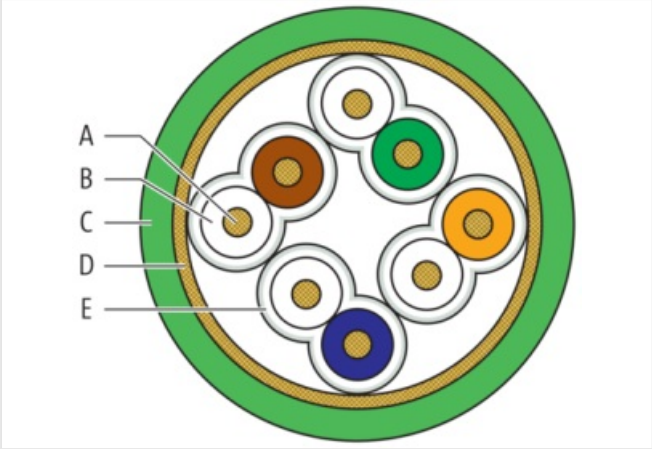

Product may differ from Image

Header	
Material short text	MSXBFH-RA-08D790_15.0-ZS
Cable length	15,00 m
Side 1	
Family construction form	M12
No. of poles	8
Coding	X
Gender	female
Mounting method	inserted, screwed
Cable outlet	straight
Material	PUR
Degree of protection (EN IEC 60529)	IP67
Side 2	
Family construction form	RJ45
No. of poles	8
Gender	male
Mounting method	inserted
Cable outlet	straight
Material	Brass
Degree of protection (EN IEC 60529)	IP20
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-51551-7901500
GTIN	4048879913867
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-7.1	27440103
ECLASS-8.0	27440103
ECLASS-8.1	27440103
ECLASS-9.0	27440103
ECLASS-9.1	27440109
ECLASS-10.0.1	27440109
ECLASS-10.1	27440103

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ECLASS-11.0	27440109
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ECLASS-13.0	27440109
ECLASS-14.0	27440109
ETIM-5.0	EC002599
ETIM-6.0	EC002599
ETIM-7.0	EC002599
ETIM-8.0	EC002599
customs tariff number	85444290
EAN	4048879913867
Packaging unit	1
Electrical data | Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	0,5 A
Industrial Communication	
Data transmission rate max.	10 Gbit/s
Transfer parameters	CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)
Diagnostics	
Status indication LED	No
Device protection | Electrical	
Protection NEMA	6P, 4, 3
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data | Material data	
Locking material	Brass
Coating locking	nickel plated
Mechanical data | Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics | Climatic	
Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
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.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Conformity	
Product standard	EN/IEC 61076-2-109 (M12)
Approvals	
UL 50E	Yes
Installation | Cable	
Cable identification	790
Function cable	Data
Amount stranding	4
Stranding	2 wires stranded
Amount stranding (type 2)	1

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Stranding (type 2)	4 stranding combinations stranded
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Pair shielding (type)	Metal foil
Banding	Foil
Cable weigth	48 g/m
Material wire insulation	PE
Amount wires	8
Outer diameter insulation	1,05 mm
Outer diameter tolerance core insulation	- 0,02 mm
Shore hardness wire insulation	65 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	34 AWG
Conductor crosssection (wire)	26 AWG
Material conductor wire	Stranded copper wire, bare
Outer-diameter (jacket)	6,4 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	89 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Conductor resistance (wire)	140 Ω/km @ 20 °C
Electrical capacity line constant (wire - wire)	44.000 pF/km
Isolation resistance	5.000 MΩ × km
Nominal voltage max.	125 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Withstand voltage (wire - shield)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	2 A
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090, UL 1581 § 1100, IEC 60332-1-2
Oil resistance	IEC 60811-404, IRM 902
Ozone resistance	EN 50396
Other resistances	resistant to microbes, MUD-resistant (NEK 606)
Bending radius (fixed)	8 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter