

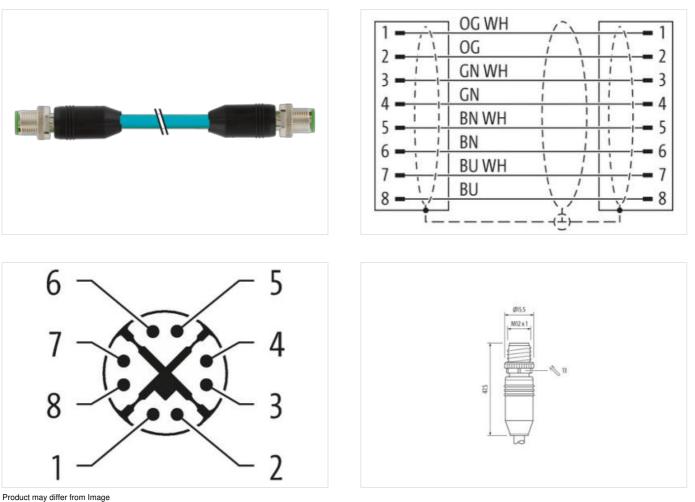
## M12 male 0° / male 0° X-cod. shielded

TPE 4x2x26AWG SF/UTP CAT6a bu UL/CSA. CMR 7.5m

Ethernet CAT6A The resistance to aggressive media should be individually tested for your application. Further details on request. Male straight - male straight M12 - M12, 8-pole X-coded without cable sleeves shielded Transmission properties with channel transmission up to 50 m Further cable lengths on request. Plastic housings with good resistance against chemicals and oils.

## Link to Product

Illustration





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: 2024-06-23

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Side 1Tightening torque0,6 NmMounting methodinserted, stFamily construction formM12ThreadM12 x 1Cable outletstraightCodingXNo. of poles8Width across flatsSW13Side 2Tightening torque1 fightening torque0,6 NmMounting methodinserted, stFamily construction formM12 x 1Cable outletstraightCodingXNo. of poles8Width across flatsSW13CodingXNo. of poles8Width across flatsSW13Commercial dataECLASS-6.0ECLASS-6.027061801ECLASS-7.027061801ECLASS-7.027061801ECLASS-7.027061801ECLASS-9.027061801ECLASS-10.127060307ECLASS-11.127060307ECLASS-12.027061307ECLASS-12.027061307ECLASS-12.027060307ETIM-5.0EC00259customs tariff number8544429CGTIN40488796Packaging unit1Electrical data   SupplyOperating voltage DC max.60 VCurrent operating per contact max.1,5 AIndustrial communication1Transfer parametersCAT6, CkData transmission rate max.10000 MEDevice protection   Electrical2Degree of protection (EN IEC 60529)IP67 </th <th></th>	
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Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I	
Material group (IEC 60664-1)	
Operating temperature min25 °C	
Operating temperature max. 85 °C	
Important installation notes	on cable quality
Note on strain relief Protect th	on cable quality
	on cable quality connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Installation   Cable	

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: 2024-06-23

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
Cable identification	S4X
Function cable	Data
Jacket Color	blue
Type of Certificate	cURus
Amount stranding	4
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	4 Stranded joints around Insulation element twisted
Banding	Foil
Filler	Insulation element
wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
Cable length max.	66 m
Cable weigth	65,48 g/m
Material jacket	TPE
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	7,4 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	HDPE
Amount wires	8
Outer diameter insulation	0,9 mm
Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	7
Diameter of single wires	26 AWG
Conductor crosssection (wire)	26 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2 A
Characteristic impedance	100 Ω @ 100 MHz
Electrical resistance line constant wire	212 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 2 s
Electrical capacity line constant (wire - wire)	84850 pF/km
Power frequency withstand voltage (wire -	
jacket)	1,5 kV @ 2 s
Loop resistance	424 Ω/km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C
Storage temperature min.	-40 °C
Storage temperature max.	80 °C
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	DIN EN 60811-404   Good, application-related testing
Bending radius (dynamic)	5 x Outer diameter
No. of bending cycles (C-track)	35 Mio. @ 25 °C
Traversing distance (C-track)	0,6 m @ 25 °C
Travel speed (C-track)	1,2 m/s @ 25 °C
No. of torsion cycles	3 Mio. 25 °C
Torsion stress	± 270 °/m @ 25 °C
Torsion speed	60 cycles/min 25 °C
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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: 2024-06-23

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk