M12, male, angled, 8 poles, X-coded, M12, male, angled, 8 poles, X-coded, shielded, Industrial Ethernet 10 GBit/s
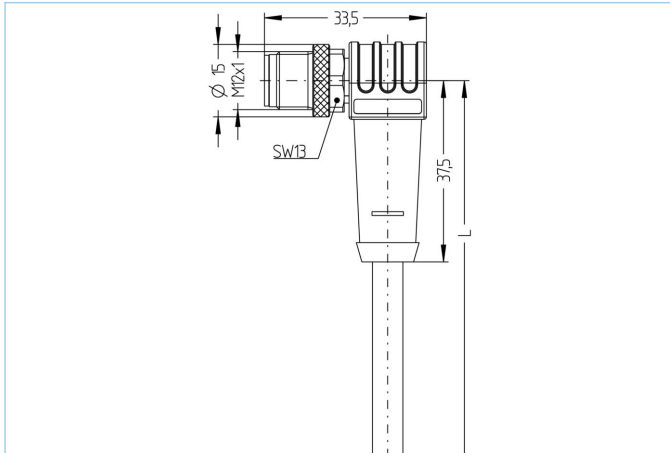

Product data

Item description	IE-WWASSX8.066-m-IE-WWASSX8.066/S3500
Item-No.	V0010225
Länge	on demand
Customs tariff-No.	85444290
Step-File	IE-WWASSX8-m-IE-WWASSX8.stp

Technical data	A-side	B-side
Connector	male, angled, M12	male, angled, M12
Number of pins	8	8
Pin assignment	1 WHOG, 2 OG; 3 WHGN, 4 GN; 5 WHBN, 6 BN; 7 WHBU, 8 BU	1 WHOG, 2 OG; 3 WHGN, 4 GN; 5 WHBN, 6 BN; 7 WHBU, 8 BU
Coding of	X	X
Rated voltage	50V_{AC} | 60V_{DC}	50V_{AC} | 60V_{DC}
Current load (at 40°C)	0.5A	0.5A
Insulation resistance	≥10^{8}Ω	≥10^{8}Ω
Resistance	≤ 5mΩ	≤ 5mΩ
Transmission features	Cat6A	Cat6A
Ambient temperature product	-30°C...+90°C	-30°C...+90°C
Contact material	Metal, CuSn, gold-plated	Metal, CuSn, gold-plated
Contact-carrier material	Plastic, PA GF, BK	Plastic, PA GF, BK
Grip body material	Plastic, TPU, BK	Plastic, TPU, BK
Coupling nut material	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Shielding	with shielding	with shielding
Standards	IEC 61076-2-109	IEC 61076-2-109
Degree of protection (mounted)	IP65, IP67, IP68	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles	>100 mating cycles
Degree of pollution	3	3

Advanced technical data UL

Rated voltage	30V
Rated current	0,5A

Cable web — Cat7, PUR, UL, S3500

Shielded PUR-cable for industrial applications. The cable meets the UL-Style 20963 and the Cat7 (electrical properties according to EN50288-4-2) requirements. Materials and a constructive setup allow for increased mechanical stresses (abrasion, bending, vibrations etc.) of the cable.

Outer diameter of jacket	6.40 mm
Cable-jacket material	PUR
Jacket color	GN, similar RAL6018
Wire cross-section	4 x 2 x 0.14 mm²
Wire insulation material	PE
Wire colors	WH/OG ; WH/GN ; WH/BN ; WH/BU
Wire structure	7 x 0.16 mm
Bending radius (fixed)	5 x Ø-cable
Bending radius (repeated)	10 x Ø-cable
Temperature range (repeated)	-20°C...+60°C
Temperature range (fixed)	-40°C...+80°C
Shielding	Yes
Halogen-free	Yes
Transmission features	Cat7
Rated voltage cable	30 V UL rating
Special features	halogen free, high flexibility, hydrolysis proof, no fire propargation, no corrosive gases, LABS free, microbes resistant, oil resistant, recyclable, RoHs compliant, acid- and alkali resistant, seawater resistant, UV resistant

Classification

eCl@ss 6.0	27060307
eCl@ss 7.0	27060307
eCl@ss 8.0	27060307
eCl@ss 9.0	27060307
ETIM 5.0	EC000830
ETIM 6.0	EC000830

Accessories

Mounting-clip, M12
https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660

Torque-wrench set
https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431

Marking rings Ø 9mm
https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809

Screw cap, M12
https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=811

The information contained in this data sheet was compiled with the utmost care. The liability for the correctness, completeness and timelines is limited to gross negligence.
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