.ESCHA

M12, male, straight, 8 poles, X-coded, shielded, Industrial Ethernet 10 GBit/s
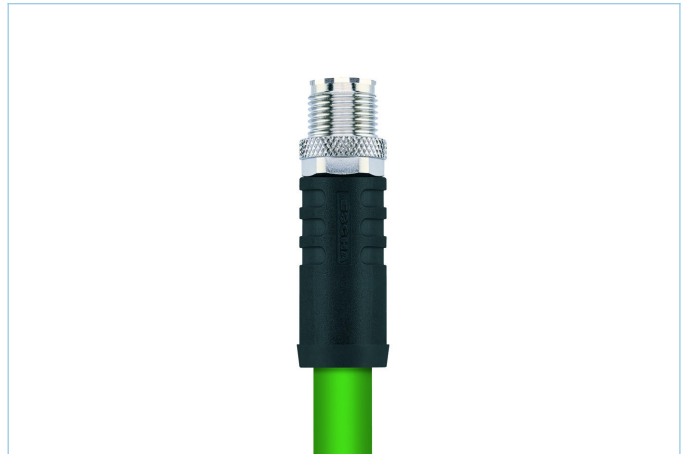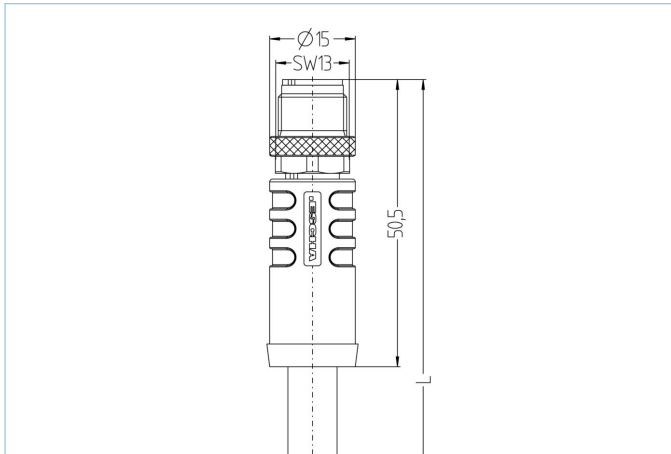
Product data

Item description	IE-WASSX8.066-7/S4031
Item-No.	8120514
Length	7m
Customs tariff-No.	85444290
Step-File	IE-WASSX8-L_S403X.stp
EAN	4047106335113

Technical data

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

Advanced technical data UL

Rated voltage	48V AC/DC
Rated current	0,5A

Cable web · Cat6, PUR, UL, S4031, PROFINET

PROFINET 4x2xAWG26/19 Type C is a highly flexible-, high-speed data cable of transmission category Cat 6. The cable is halogenfree, flame-retardant, resistant to oil, and resistant to abrasion due to PUR-outer jacket. It is excellently adapted for applications in industrial areas. The high-grade shielding provides for a high data transmission safety in electromagnetically charged surroundings. It is adapted for flexible applications, especially in drag-chains or on permanently movable machine parts in dry and wet areas.

Outer diameter of jacket	7.80 mm
Cable-jacket material	PUR
Jacket color	GN, similar RAL6018
Wire cross-section	4 x 2 x AWG26/19
Wire insulation material	FRNC
Wire colors	WH/BU ; WH/OG ; WH/GN ; WH/BN
Wire structure	19 x 0.102 mm
Bending radius (fixed)	4 x Ø-cable
Bending radius (repeated)	7,5 x Ø-cable
Temperature range (repeated)	-30°C...+70°C
Temperature range (fixed)	-40°C...+80°C
Drag chain-application	4 Mio. cycles
Shielding	Yes
Halogen-free	Yes
Transmission features	Cat6
Rated voltage cable	100 V
Special features	flame retardant, halogen free, high flexibility, LABS free, oil resistant, ozone resistant, recyclable, RoHs compliant, drag chain-adapted, 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

Cable Stripping Tool
https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215

Cable Stripping Tool
https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216