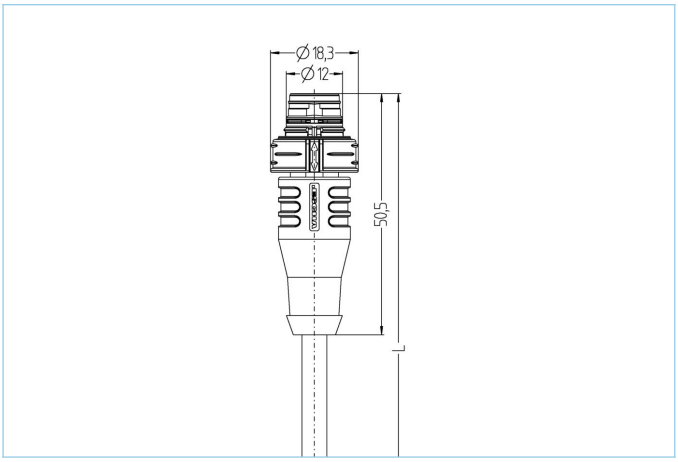
M12, Push-Pull inner locking, male, straight, 8 poles, X-coded, shielded, Industrial Ethernet 10 GBit/s







Product data	
Item description	IE-PPIWASSX8.066-m/S4031
Item-No.	V0014338
Length	on demand
Customs tariff-No.	85444290
Step-File	IE-PPIWASSX8.stp

Technical data	
Connector	male, straight, M12 Push-Pull
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	$\geq 10^{8}\Omega$
Transmission features	Cat6A
Ambient temperature product	-30°C...+90°C
Contact material	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA GF, BK
Grip body material	Plastic, TPU, BK
Material of shielding housing	Zinc die-cast
Shielding	with shielding
Standards	IEC 61076-2-010
Degree of protection (mounted)	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles
Cable end assembly	open cable end
Degree of pollution	3
Style	straight

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.

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

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

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