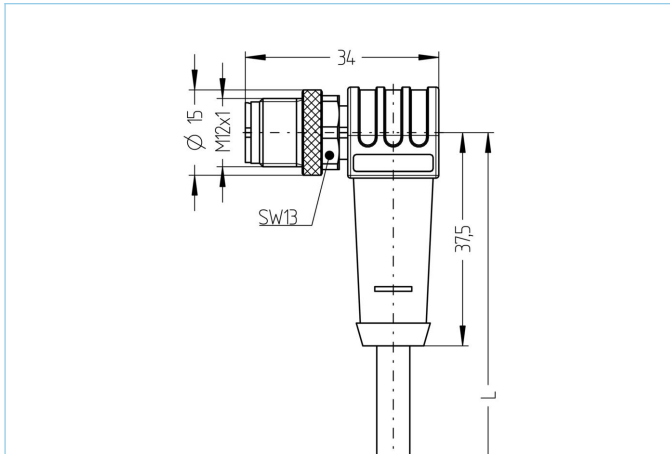


M12, male, angled, 2 poles, SPE6-coded, shielded, Industrial Ethernet 1 GBit/s



Product data

Item description	IE-SPE6M12AMS2-m/S6000
Item-No.	V0012448
Length	on demand
Customs tariff-No.	85444290
Step-File	IE-SPE6M12AMS2-m.stp

Technical data

Connector	male, angled, M12
Number of pins	2
Pin assignment	1 BU, 2 WH
Coding	SPE6
Rated voltage	63V _{DC}
Insulation resistance	≥5x10 ⁹ Ω
Resistance	≤ 20mΩ
Ambient temperature product	-40°C...90°C (IP65) / -30°C...90°C (IP67)
Contact material	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA, BK
Grip body material	Plastic, TPU, BK
Coupling nut material	Metal, CuZn, nickel-plated
Shielding	with shielding
Current load per pin (at 60°C)	4A
Standards	IEC 63171-6
Degree of protection (mounted)	IP65, IP67
Mechanical life-cycle	>100 mating cycles
Cable end assembly	open cable end
Degree of pollution	3
Style	angled

Cable web SPE, PUR, UL, S6000

Shielded PUR-cable for industrial applications. The cable meets the UL-Style 20233 (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	5.80 mm
Cable-jacket material	PUR
Jacket color	GN, similar RAL6018
Wire cross-section	1 x 2 x AWG22
Wire insulation material	PE
Wire colors	WH/BU
Wire structure	7 x 0.25 mm
Bending radius (fixed)	4 x Ø-cable
Bending radius (repeated)	8 x Ø-cable
Temperature range (repeated)	-25°C...+80°C
Temperature range (fixed)	-40°C...+80°C
Shielding	Yes
Halogen-free	Yes
Rated voltage cable	300 V
Special features	flame retardant, halogen free, high flexibility, hydrolysis proof, LABS free, microbes resistant, oil resistant, recyclable, RoHs compliant, acid- and alkali 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>

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>