M12, female, straight, 12 poles, sensor-/actuator cable, high-temperature

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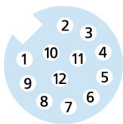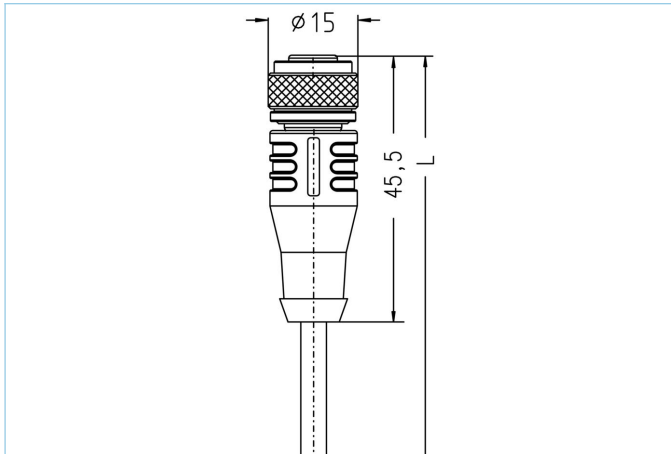
Product data

Item description	HT-WAK12-m/S2430
Item-No.	V0002417
Länge	on demand
Customs tariff-No.	85444290
Step-File	HT-WAK12.stp

Technical data

Connector	female, straight, M12
Number of pins	12
Pin assignment	1 BN, 2 BU, 3 WH, 4 GN, 5 PK, 6 YE, 7 BK, 8 GY, 9 RD, 10 VT, 11 GYPK, 12 RDBU
Coding	A
Rated voltage	30V
Current load per pin (at 40°C)	1.5A
Insulation resistance	$\geq 10^8 \Omega$
Ambient temperature product	-20°C...+150°C
Contact material	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PBT GF, BK
Grip body material	Plastic, PBT GF, BK
Coupling nut material	Metal, CuZn, nickel-plated
Sealing (female) material	FPM/FKM
Standards	IEC 61076-2-101
Degree of protection (mounted)	IP65
Mechanical life-cycle	>100 mating cycles
Cable end assembly	50mm stripped
Degree of pollution	3
Style	straight

Cable web	PTFE, S2430, high temp

The thermal resistance of this high-temperature cable extends from -190°C to +260°C. In addition, it stands out through a very good chemical strength, as well as its ozone- and weather resistance.

Outer diameter of jacket	4.30 mm
Cable-jacket material	PTFE
Jacket color	WH, similar RAL9003
Wire cross-section	12 x AWG26
Wire insulation material	PTFE
Wire colors	BN, BU, WH, GN, PK, YE, BK, GY, RD, VT, GYPK, RDBU
Wire structure	19 x 0.102 mm
Bending radius (fixed)	5 x Ø-cable
Bending radius (repeated)	10 x Ø-cable
Temperature range (fixed)	-190°C...+260°C
Rated voltage cable	≤250 V
Special features	low emission of smoke, excellent chemicals resistance, hydrolysis proof, LABS free, non-flammable, ozone resistant, RoHs compliant, seawater resistant, UV resistant, flexibility at low temperature, flexible at high temperatures

Classification

eCl@ss 6.0	27279218
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855

Accessories

Mounting-set, M12
https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664

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

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

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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