

Thread insert material	Metal, CuZn
Connecting type	Fixed cable connection
Standards	IEC 61076-2-101
Degree of protection (mounted)	IP65, IP67
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3

Cable web	PUR, UL, S370
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Flexible, silicone- and halogen-free control line with high mechanical strength. The cable is chemicals, hydrolysis-, and microbes- resistant. The drag-chain application is possible at a bending radius of minimum 10 x d. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements.

Outer diameter of jacket	8.2 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	8 x 0.34 mm ² + 3 x 1 mm ²
Wire insulation material	PP
Wire colors	WH, BK, GN, YE, GY, PK, VT, RD, BN, BU, GNYE
Bending radius (repeated)	min. 10 x Ø-cable
Temperature range (repeated)	-5°C...+80°C
Temperature range (fixed)	-40°C...+80°C
Drag chain-application	2 Mio. cycles
Halogen-free	Yes
Special features	flame retardant, halogen free, LABS free, RoHs compliant, drag chain-adapted

Allocation chart										
I/O	1	2	3	4	5	6	all (+)	all (-)	all (-)	all (FE)
Pin	4	4	4	4	4	4	1	3	3	5
Cable	WH	GN	YE	GY	PK	RD	BN		BU	GNYE

Classification	
eCl@ss 6.0	27279219
eCl@ss 7.0	27279219
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108
ETIM 5.0	EC002585
ETIM 6.0	EC002585

Accessories	
Screw plug, M12	https://www.escha.net/en/products/standard/accessories-for-connectivity/8081767
Labels, I/O-junction passive, I/O-junction active	https://www.escha.net/en/products/standard/accessories-for-connectivity/8015002
Accessories set, I/O-junction passive, M12	https://www.escha.net/en/products/standard/accessories-for-connectivity/8087215

Link to product	
	https://www.escha.net/en/products/standard/fo-junctions/8048789