



Thread insert material	Metal, CuZn
Connecting type	Fixed cable connection
Standards	IEC 61076-2-104
Degree of protection (mounted)	IP65, IP67
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3

**Cable web** PUR, UL, S370

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	7.6 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	10 x 0.25 mm <sup>2</sup> + 2 x 0.75 mm <sup>2</sup>
Wire insulation material	PP
Wire colors	WHPK, BK, BU, PK, WH, YE, GN, GY, PKBN, RD, BN, VT
Bending radius (repeated)	min. 10 x Ø-cable
Temperature range (repeated)	-25°C...+90°C
Temperature range (fixed)	-40°C...+90°C
Drag chain-application	≥5 Mio. cycles
Halogen-free	Yes
Torsion	+/-180°/m, ≥ 0.5 Mio. cycles
Special features	flame retardant, halogen free, LABS free, RoHs compliant, drag chain-adapted

**Allocation chart**

I/O	1	2	3	4	5	6	7	8	9	10	all (+)	all (-)
Pin	4	4	4	4	4	4	4	4	4	4	1	3
Cable	WH	GN	YE	GY	PK	RD	BK	VT	WHPK	BNPK	BN	BU

**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**

Labels, I/O-junction passive, I/O-junction active  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8011349>

Screw plug, M8  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8081771>

Accessories set, I/O-junction passive, I/O-junction active, M8  
<https://www.escha.net/en/products/standard/accessories-for-connectivity/8087214>