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

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|--------------|----------------------|
| Cable | 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.

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|------------------------------|--|
| Outer diameter of jacket | 7.5 mm |
| Cable-jacket material | PUR |
| Jacket color | BK, similar RAL9005 |
| Wire cross-section | 8 x 0.25 mm ² + 2 x 0.75 mm ² |
| Wire insulation material | PP |
| Wire colors | PK, BU, WH, GN, RD, BK, YE, GY, 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, LABS free, RoHs compliant, drag chain-adapted, halogen free |

Allocation chart

| I/O | 1 | | 2 | | 3 | | 4 | | all (+) | all (-) |
|-------|----|----|----|----|----|----|----|----|---------|---------|
| Pin | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 1 | 3 |
| Cable | GN | WH | GY | YE | RD | PK | VT | BK | BN | BU |

Classification

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|------------|----------|
| 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 |

Link to product

<https://www.escha.net/en/products/standard/io-junctions/8062814>