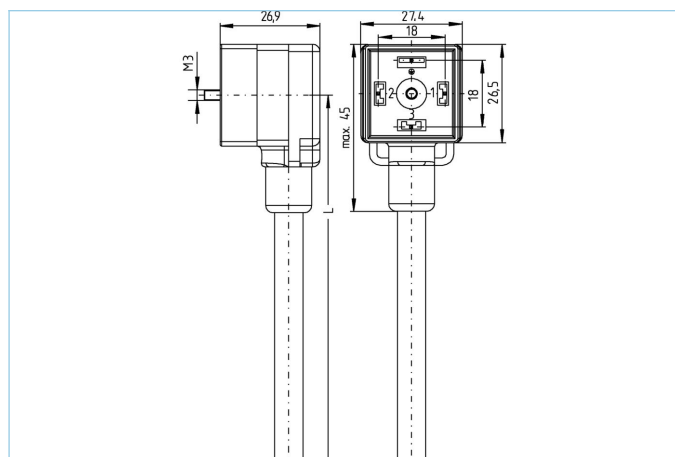


## Single-ended cordset, Valve connector, A



- 1 — BN
- 2 — BU
- 3 — BK
- ⊕ — GN/YE



### Product data

|                    |                   |
|--------------------|-------------------|
| Item description   | VA31-230.0-5/S370 |
| Item-No.           | 8059241           |
| Length             | 5m                |
| Customs tariff-No. | 85444290          |
| Step-File          | VA31-m.stp        |
| EAN                | 4047106183257     |

### Technical data

|                                |                            |
|--------------------------------|----------------------------|
| Connector                      | female, angled, Valve A    |
| Number of pins                 | 3+PE                       |
| Pin assignment                 | 1 BN, 2 BU, 3 BK, PE: GNYE |
| Rated voltage                  | 230V <sub>AC/DC</sub>      |
| Current load (at 40°C)         | 10A                        |
| Insulation resistance          | ≥10 <sup>9</sup> Ω         |
| Ambient temperature product    | -30°C...+90°C              |
| Signal status-indicator        | LED YE/GN                  |
| Contact material               | Metal, CuSn, silver-plated |
| Contact-carrier material       | Plastic, PA, BK            |
| Sealing (female) material      | Plastic, TPU               |
| Protection circuit             | without                    |
| Fixing screw                   | Metal, CuZn, nickel-plated |
| Housing style                  | A                          |
| Standards                      | DIN EN 175301-803          |
| Degree of protection (mounted) | IP65, IP67, IP68           |
| Mechanical life-cycle          | >100 mating cycles         |
| Degree of pollution            | 3                          |

|              |                      |
|--------------|----------------------|
| <b>Cable</b> | <b>PUR, UL, S370</b> |
|--------------|----------------------|

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       | 6,4 +/- 0,2 mm                                                                                                                                                                                                                                                       |
| Cable-jacket material          | PUR                                                                                                                                                                                                                                                                  |
| Jacket color                   | BK, similar RAL9005                                                                                                                                                                                                                                                  |
| Wire cross-section             | 4 x 0.75 mm <sup>2</sup>                                                                                                                                                                                                                                             |
| Wire insulation material       | PP                                                                                                                                                                                                                                                                   |
| Wire colors                    | BN, BK, BU, GNYE                                                                                                                                                                                                                                                     |
| Conductor structure            | 42 x 0,15 mm                                                                                                                                                                                                                                                         |
| Bending radius (fixed)         | 5 x Ø-cable                                                                                                                                                                                                                                                          |
| Bending radius (repeated)      | 10 x Ø-cable                                                                                                                                                                                                                                                         |
| Temperature range (repeated)   | -30°C...+90°C                                                                                                                                                                                                                                                        |
| Temperature range (fixed)      | -40°C...+90°C                                                                                                                                                                                                                                                        |
| Temperature range (drag chain) | -25°C...+60°C                                                                                                                                                                                                                                                        |
| Drag chain-application         | 2 Mio. cycles                                                                                                                                                                                                                                                        |
| Halogen-free                   | Yes                                                                                                                                                                                                                                                                  |
| Rated voltage cable            | ≤300 V                                                                                                                                                                                                                                                               |
| Special features               | flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant, hydrolysis proof, drag chain-adapted, torsion resistant, welding sparks resistant, halogen free, silicone free, oil resistant |

#### Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27279218 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060312 |
| ETIM 5.0   | EC001855 |
| ETIM 6.0   | EC001855 |

#### Accessories

Labels, Valve connector

<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8047110/Labels-valve-connector-housing-style-A>

Fixing screw

<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8060907/Stainless-steel-screws-for-valve-connector-M3x28>