

Special Hybrid Cable with Air Tubes for Robotic Application

(6x2xAWG28 + 6xAWG24)C + (16 x AWG24)C + (13xAWG20 + 5xAWG22)C + 3xTubes

P&D Part no. : SRAIO233BT001

Cable Elements: (6x2xAWG28 + 6xAWG24)C

Conductor material: highflex stranded, bare copper wires AWG28
 Insulation: special thermoplastic compound
 Twisting: 6 pairs + strength member
 Conductor: highflex stranded, bare copper wires AWG24
 Insulation: special thermoplastic compound
 Twisting: 6 cores + strength member
 Twisting: 2 elements + strength member
 Taping: special taping for compact structural support
 Shielding: braid of tinned copper
 Elem.-jacket: special thermoplastic compound

(16 x AWG24)C

Conductor material: highflex stranded, bare copper wires AWG24
 Insulation: special thermoplastic compound
 Twisting: 16 cores + strength member

(13xAWG20 + 5xAWG22)C

Conductor material: highflex stranded, bare copper wires AWG20
 Insulation: special thermoplastic compound
 Twisting: 13 cores + strength member
 Conductor: highflex stranded, bare copper wires AWG22
 Insulation: special thermoplastic compound
 Twisting: 6 cores + strength member
 Twisting: 2 elements + strength member
 Taping: special taping for compact structural support
 Shielding: braid of tinned copper

2 x Tubes

Material: special high-flex polyurethane compound
 Inner diameter: 4.0 mm
 Outer diameter: 6.0 mm
 Support: special taping provide strain relief and support

Note:

All indications on this data sheet have been made to the best of our knowledge. They are only a non-binding advice and serve as a starting point for plannings. They do not release the user from own tests regarding the suitability of the desired application purposes. Processing and the use of the products cannot be controlled by us and are therefore exclusively in the user's field of responsibility. The design is subject to alteration if new realization will make it necessary.

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P&D Part no. : SRAIO233BT001

Cable Elements:
(continued)

1 x Tubes
 Material: special high-flex polyurethane compound
 Inner diameter: 2.5 mm
 Outer diameter: 4.0 mm
 Support: special taping provide strain relief and support
 Overall twisting: 6 elements
 Overall support: special taping + strength member for support
 Jacket outer diameter: 24.4 ± 0.6 mm

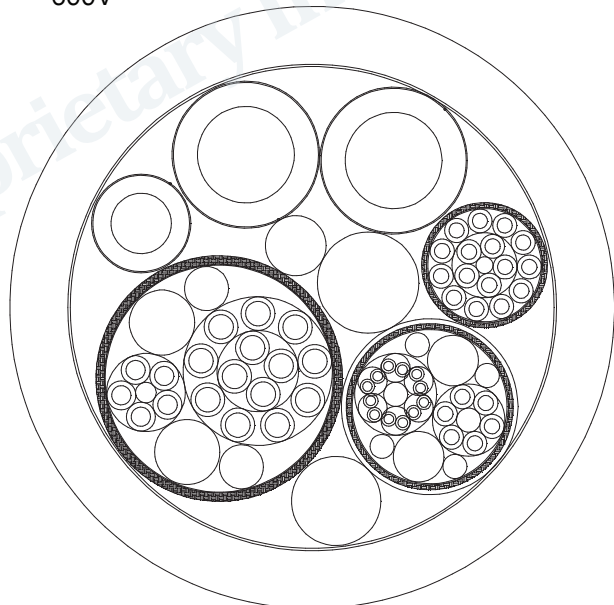
Thermo Properties: Operating Temp. (fixed): -40°C / +90°C
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Electrical Properties: Conductor Resistance: AWG28 ≤ 222 Ω/km
 AWG24 ≤ 87 Ω/km
 AWG22 ≤ 54 Ω/km
 AWG20 ≤ 33 Ω/km

Insulation Resistance: > 200 MΩxkm
 Rated Voltage: 600V

Approbation and Conform:

- UL 80°C 600V UL flame test
- Oil resistance acc. to DIN EN 60811-100&-404.
- RoHS-II conform.
- Halogen Free.
- PVC Free.
- Silicon Free.
- Flame Retardant.



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