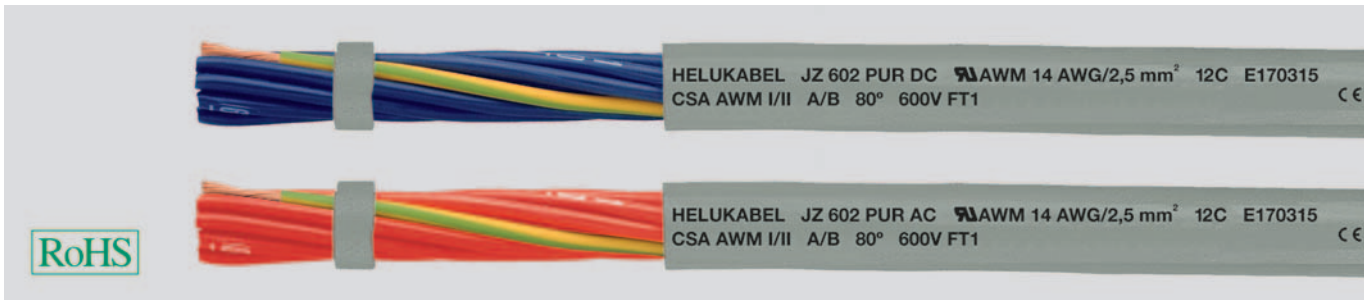


JZ-602-PUR DC/AC 80°C, 600 V, two approval control cable, meter marking



Technical data

- Control cable of special-PUR to UL CSA AWM I/II A/B Style 20939 (sheath insulation) and CSA
- Temperature range**
flexing -5°C to +80°C
fixed installation -40°C to +80°C
- Nominal voltage** UL/CSA 600 V
- Test voltage** 3000 V
- Breakdown voltage** min. 6000 V
- Insulation resistance**
min 20 MOhm x km
- Minimum bending radius**
flexing 7,5x cable Ø
fixed installation 4x cable Ø
- Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable structure

- Bare copper, fine wire stranded to DIN VDE 0295 cl.5, BS 6360 cl.5 and IEC 60228 cl.5
- Core insulation of PVC compound type T13 to DIN VDE 0207-363-3 / DIN EN 50363-3 and UL-Style 10012
- Core identification blue (DC) or red (AC) with continuous white numbering
- GN-YE conductor
- Cores stranded in layers with optimal lay-length
- Outer sheath of special **full-polyurethane**
- Sheath colour grey (RAL 7001)
- with meter marking

Properties

- Resistant to mineral oils, synthetic oils, coolant, UV-radiation, oxygene, ozon and hydrolysis. Conditionally resistant to microbes.
- High abrasion resistance
- Tear and cut resistant
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- G = with green-yellow conductor
- DC = blue cores;
- AC = red cores;
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

For use on conveyor belts, tooling machines, conveyor system, production lines and automotive production plants. Also for medium mechanical stress in flexible applications with free movement and without tensile stress. UL and CSA approved control cables especially for U. S. and Canadian markets.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

JZ-602 PUR DC (blue core)

| Part no. | No. cores x cross-sec. mm ² | AWG-No. | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km |
|----------|--|---------|-----------------|---------------------|---------------------|
| 12805 | 3 G 1 | 18 | 6,6 | 27,0 | 68,0 |
| 12806 | 4 G 1 | 18 | 7,2 | 38,0 | 79,0 |
| 12807 | 5 G 1 | 18 | 7,8 | 48,0 | 97,0 |
| 12808 | 7 G 1 | 18 | 9,1 | 67,0 | 141,0 |
| 12809 | 12 G 1 | 18 | 11,7 | 115,0 | 211,0 |
| 12810 | 18 G 1 | 18 | 14,0 | 173,0 | 284,0 |
| 12811 | 25 G 1 | 18 | 17,0 | 240,0 | 394,0 |
| 12812 | 3 G 1,5 | 16 | 7,4 | 44,0 | 96,0 |
| 12813 | 4 G 1,5 | 16 | 8,0 | 58,0 | 117,0 |
| 12814 | 5 G 1,5 | 16 | 8,6 | 72,0 | 140,0 |
| 12815 | 7 G 1,5 | 16 | 10,5 | 101,0 | 186,0 |
| 12816 | 12 G 1,5 | 16 | 13,3 | 173,0 | 319,0 |
| 12817 | 18 G 1,5 | 16 | 15,7 | 260,0 | 451,0 |
| 12818 | 25 G 1,5 | 16 | 18,8 | 360,0 | 625,0 |
| 12819 | 3 G 2,5 | 14 | 8,6 | 72,0 | 143,0 |
| 12820 | 4 G 2,5 | 14 | 10,0 | 96,0 | 185,0 |
| 12821 | 5 G 2,5 | 14 | 10,8 | 120,0 | 221,0 |
| 12822 | 7 G 2,5 | 14 | 13,0 | 168,0 | 293,0 |
| 12823 | 12 G 2,5 | 14 | 16,6 | 288,0 | 563,0 |
| 12824 | 18 G 2,5 | 14 | 19,5 | 432,0 | 854,0 |
| 12825 | 25 G 2,5 | 14 | 23,8 | 600,0 | 1188,0 |

JZ-602 PUR AC (red core)

| Part no. | No. cores x cross-sec. mm ² | AWG-No. | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km |
|----------|--|---------|-----------------|---------------------|---------------------|
| 12826 | 3 G 1 | 18 | 6,6 | 27,0 | 68,0 |
| 12827 | 4 G 1 | 18 | 7,2 | 38,0 | 79,0 |
| 12828 | 5 G 1 | 18 | 7,8 | 48,0 | 97,0 |
| 12829 | 7 G 1 | 18 | 9,1 | 67,0 | 141,0 |
| 12830 | 12 G 1 | 18 | 11,7 | 115,0 | 211,0 |
| 12831 | 18 G 1 | 18 | 14,0 | 173,0 | 284,0 |
| 12832 | 25 G 1 | 18 | 17,0 | 240,0 | 394,0 |
| 12833 | 3 G 1,5 | 16 | 7,4 | 44,0 | 96,0 |
| 12834 | 4 G 1,5 | 16 | 8,0 | 58,0 | 117,0 |
| 12835 | 5 G 1,5 | 16 | 8,6 | 72,0 | 140,0 |
| 12836 | 7 G 1,5 | 16 | 10,5 | 101,0 | 186,0 |
| 12837 | 12 G 1,5 | 16 | 13,3 | 173,0 | 319,0 |
| 12838 | 18 G 1,5 | 16 | 15,7 | 260,0 | 451,0 |
| 12839 | 25 G 1,5 | 16 | 18,8 | 360,0 | 625,0 |
| 12840 | 3 G 2,5 | 14 | 8,6 | 72,0 | 143,0 |
| 12841 | 4 G 2,5 | 14 | 10,0 | 96,0 | 185,0 |
| 12842 | 5 G 2,5 | 14 | 10,8 | 120,0 | 221,0 |
| 12843 | 7 G 2,5 | 14 | 13,0 | 168,0 | 293,0 |
| 12844 | 12 G 2,5 | 14 | 16,6 | 288,0 | 563,0 |
| 12845 | 18 G 2,5 | 14 | 19,5 | 432,0 | 854,0 |
| 12846 | 25 G 2,5 | 14 | 23,8 | 600,0 | 1188,0 |

Dimensions and specifications may be changed without prior notice. (RN01)



Suitable accessories can be found in Chapter X.

- Cable Gland - HELUTOP® HT-PA
- Cable Gland - HELUTOP® HT-MS
- Cable Gland - HELUTOP® HT-MS-EP 4