

TRAYCONTROL® 300

flexible, oil resistant, NFPA 79



HELUKABEL TRAYCONTROL 300 24AWG/0,241 mm² 6C/62652



Technical data

- Flexible PVC data and control cable
- **Temperature range**
-25°C to +105°C
- **Nominal voltage**
300 V
- **Test voltage**
2000 V
- **Minimum bending radius**
flexing 6x cable Ø
- **Radiation resistance**
up to 80x10⁵ cJ/kg (up to 80 Mrad)

Cable structure

- Tinned copper conductor, fine wire with AWG dimensions
- Core insulation of special PVC (AWG 22 -AWG 16 with transparent nylon skin)
- Core identification to international colour code
- Cores stranded in layers with optimal lay length
- Separator
- Outer sheath of special PVC
- Sheath colour: grey (RAL 7001)
- With length marking in feet

Properties

- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Tests

- Self-extinguishing and flame retardant acc. to CSA FT4
- **UL (AWG 22 - AWG 16):**
PLTC-ER, ITC-ER, Type CM, NFPA 79, OIL RES I & II, Class I Div. 2, NEC Art. 501, 725, 760 & 800, AWM 2517
- **UL (AWG 24 - AWG 28):**
CM, AWM 2517, rated OIL RES I & II, NEC Art. 725, 760 & 800, NFPA 79
- **CSA:**
CSA CMG FT4, AWM I/II A/B FT4

Note

Advantages

- Highly flexible easy to install
- Oil resistant to OIL RES I & II

Available on request

- PUR or TPE outer sheath
- Sheath colour to suit customer requirements

Application

HELUKABEL® TRAYCONTROL® 300 is a multi-core PVC data and control cable. Cross-sections with PLTC-ER and ITC-ER approval suitable for open, unprotected installation in cable trays to the machine; their outstanding oil resistance (OIL RES I & II) makes them ideally suited as connecting and joining cables and also for control, signal and measuring systems in industrial plants. The flexible cable structure facilitates installation inside and outside of machines and switch cabinets. Applications: tool machines, control panels, control and instrumentation technology, production automation, cable ducts, renewable energies.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

| Part no. | Cross-section mm ² x AWG-No. | No. cores | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km |
|----------|---|-----------|-----------------|---------------------|---------------------|
| 62625 | 0,093 | 2 x 28 | 3,8 | 1,8 | 12,0 |
| 62626 | 0,093 | 3 x 28 | 3,9 | 3,0 | 18,0 |
| 62627 | 0,093 | 4 x 28 | 4,2 | 4,0 | 21,0 |
| 62628 | 0,093 | 6 x 28 | 4,7 | 5,0 | 27,0 |
| 62629 | 0,093 | 8 x 28 | 5,0 | 7,0 | 30,0 |
| 62630 | 0,093 | 10 x 28 | 5,6 | 9,0 | 30,0 |
| 62631 | 0,093 | 15 x 28 | 6,2 | 13,0 | 43,0 |
| 62632 | 0,093 | 20 x 28 | 6,8 | 18,0 | 54,0 |
| 62633 | 0,093 | 25 x 28 | 7,6 | 22,0 | 63,0 |
| 62634 | 0,093 | 30 x 28 | 8,0 | 27,0 | 73,0 |
| 62635 | 0,093 | 40 x 28 | 8,8 | 36,0 | 89,0 |
| 62636 | 0,093 | 50 x 28 | 9,8 | 45,0 | 109,0 |
| 62637 | 0,154 | 2 x 26 | 4,0 | 3,0 | 18,0 |
| 62638 | 0,154 | 3 x 26 | 4,2 | 4,0 | 21,0 |
| 62639 | 0,154 | 4 x 26 | 4,4 | 6,0 | 24,0 |
| 62640 | 0,154 | 6 x 26 | 5,0 | 9,0 | 30,0 |
| 62641 | 0,154 | 8 x 26 | 5,3 | 12,0 | 34,0 |
| 62642 | 0,154 | 10 x 26 | 6,0 | 15,0 | 42,0 |
| 62643 | 0,154 | 15 x 26 | 6,7 | 22,0 | 52,0 |
| 62644 | 0,154 | 20 x 26 | 7,5 | 30,0 | 67,0 |
| 62645 | 0,154 | 25 x 26 | 8,2 | 37,0 | 80,0 |
| 62646 | 0,154 | 30 x 26 | 8,6 | 44,0 | 92,0 |
| 62647 | 0,154 | 40 x 26 | 9,5 | 59,0 | 116,0 |
| 62648 | 0,154 | 50 x 26 | 11,1 | 74,0 | 145,0 |
| 62649 | 0,241 | 2 x 24 | 4,3 | 5,0 | 19,0 |
| 62650 | 0,241 | 3 x 24 | 4,5 | 7,0 | 22,0 |
| 62651 | 0,241 | 4 x 24 | 4,8 | 9,0 | 27,0 |
| 62652 | 0,241 | 6 x 24 | 5,5 | 14,0 | 33,0 |
| 62653 | 0,241 | 8 x 24 | 5,8 | 18,0 | 42,0 |
| 62654 | 0,241 | 10 x 24 | 6,6 | 23,2 | 49,0 |

| Part no. | Cross-section mm ² x AWG-No. | No. cores | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km |
|----------|---|-----------|-----------------|---------------------|---------------------|
| 62655 | 0,241 | 15 x 24 | 7,7 | 35,0 | 69,0 |
| 62656 | 0,241 | 20 x 24 | 8,4 | 46,3 | 86,0 |
| 62657 | 0,241 | 25 x 24 | 9,1 | 58,0 | 103,0 |
| 62658 | 0,241 | 30 x 24 | 9,6 | 69,4 | 131,0 |
| 62659 | 0,241 | 40 x 24 | 11,2 | 92,6 | 173,0 |
| 62660 | 0,241 | 50 x 24 | 12,4 | 115,7 | 219,0 |
| 62661 | 0,382 | 2 x 22 | 6,5 | 7,0 | 22,0 |
| 62662 | 0,382 | 3 x 22 | 6,7 | 11,0 | 28,0 |
| 62663 | 0,382 | 4 x 22 | 7,2 | 14,7 | 32,0 |
| 62664 | 0,382 | 6 x 22 | 8,3 | 22,0 | 46,0 |
| 62665 | 0,382 | 8 x 22 | 8,8 | 29,4 | 54,0 |
| 62666 | 0,382 | 10 x 22 | 10,1 | 37,0 | 66,0 |
| 62667 | 0,382 | 15 x 22 | 11,4 | 55,0 | 90,0 |
| 62668 | 0,382 | 20 x 22 | 12,5 | 73,0 | 115,0 |
| 62669 | 0,382 | 25 x 22 | 14,6 | 92,0 | 141,0 |
| 62670 | 0,382 | 30 x 22 | 15,4 | 110,0 | 176,0 |
| 62671 | 0,382 | 40 x 22 | 17,0 | 147,0 | 234,0 |
| 62672 | 0,382 | 50 x 22 | 19,0 | 183,0 | 293,0 |
| 62673 | 0,616 | 2 x 20 | 6,9 | 11,9 | 57,0 |
| 62674 | 0,616 | 3 x 20 | 7,2 | 17,8 | 60,0 |
| 62675 | 0,616 | 4 x 20 | 7,8 | 23,7 | 73,0 |
| 62676 | 0,616 | 6 x 20 | 9,0 | 36,0 | 97,0 |
| 62677 | 0,616 | 8 x 20 | 9,6 | 47,4 | 133,0 |
| 62678 | 0,616 | 10 x 20 | 11,0 | 59,0 | 143,0 |
| 62679 | 0,616 | 15 x 20 | 12,5 | 89,0 | 177,0 |
| 62680 | 0,616 | 20 x 20 | 14,6 | 118,0 | 261,0 |
| 62681 | 0,616 | 25 x 20 | 16,0 | 148,0 | 353,0 |
| 62682 | 0,616 | 30 x 20 | 16,8 | 178,0 | 419,0 |
| 62683 | 0,616 | 40 x 20 | 18,7 | 237,0 | 562,0 |
| 62684 | 0,616 | 50 x 20 | 21,0 | 296,0 | 699,0 |

Continuation ►

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| Part no. | Cross-section mm ² x AWG-No. | No.cores | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km |
|----------|---|----------|-----------------|---------------------|---------------------|
| 62685 | 0,963 | 2 x 18 | 7,4 | 18,5 | 61,0 |
| 62686 | 0,963 | 3 x 18 | 7,7 | 28,0 | 64,0 |
| 62687 | 0,963 | 4 x 18 | 8,3 | 37,0 | 77,0 |
| 62688 | 0,963 | 6 x 18 | 9,7 | 56,0 | 101,0 |
| 62689 | 0,963 | 8 x 18 | 10,4 | 74,0 | 142,0 |
| 62690 | 0,963 | 10 x 18 | 11,9 | 92,0 | 195,0 |
| 62691 | 0,963 | 15 x 18 | 13,5 | 139,0 | 247,0 |
| 62692 | 0,963 | 20 x 18 | 15,8 | 185,0 | 328,0 |
| 62693 | 0,963 | 25 x 18 | 17,4 | 231,0 | 407,0 |
| 62694 | 0,963 | 30 x 18 | 18,3 | 277,0 | 539,0 |
| 62695 | 0,963 | 40 x 18 | 20,4 | 370,0 | 717,0 |
| 62696 | 0,963 | 50 x 18 | 23,9 | 462,0 | 894,0 |

| Part no. | Cross-section mm ² x AWG-No. | No.cores | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km |
|----------|---|----------|-----------------|---------------------|---------------------|
| 62697 | 1,31 | 2 x 16 | 7,9 | 25,0 | 83,0 |
| 62698 | 1,31 | 3 x 16 | 8,3 | 38,0 | 91,0 |
| 62699 | 1,31 | 4 x 16 | 8,9 | 50,0 | 109,0 |
| 62700 | 1,31 | 6 x 16 | 10,3 | 76,0 | 162,0 |
| 62702 | 1,31 | 8 x 16 | 11,2 | 101,0 | 243,0 |
| 62703 | 1,31 | 10 x 16 | 12,9 | 126,0 | 267,0 |
| 62704 | 1,31 | 15 x 16 | 15,4 | 189,0 | 364,0 |
| 62705 | 1,31 | 20 x 16 | 17,2 | 252,0 | 493,0 |
| 62706 | 1,31 | 25 x 16 | 18,8 | 314,0 | 608,0 |
| 62707 | 1,31 | 30 x 16 | 19,9 | 377,0 | 729,0 |
| 62708 | 1,31 | 40 x 16 | 23,3 | 503,0 | 967,0 |
| 62709 | 1,31 | 50 x 16 | 26,1 | 629,0 | 1214,0 |

Dimensions and specifications may be changed without prior notice. (RN02)