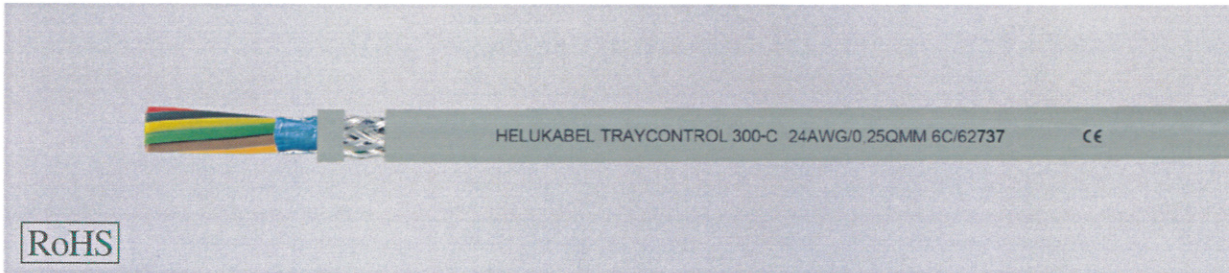


TRAYCONTROL 300-C flexible, screened, oil-resistant, EMC preferred type, NFPA 79 Edition 2007



Technical Data

- Flexible screened 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
- **Coupling resistance** Max. 250 Ohm/km

Cable Structure

- Tinned copper conductor, fine wire stranded, with AWG measures
- Special PVC core insulation (AWG 22 - AWG 16 with transparent nylon skin)
- Core identification according to international colour code; see next page
- AWG 28 - AWG 22
- AWG 20 - AWG 16
- Cores stranded in layers with optimal lay-lengths
- 1. Screening with special aluminium foil
- 2. Screening with braid of tinned copper wires, optimal coverage, approx. 85%
- Separator
- Special PVC outer sheath
- Sheath colour - grey (RAL 7001)
- With length marking in feet

Properties

- Self-extinguishing and flame retardant in accordance with CSA FT4
- The materials used in manufacture are free of silicone, cadmium and substances that impair paint wetting
- **Tests**
UL (AWG 22 - AWG 16): PLTC-ER, ITC-ER, Type CM, NFPA 79 2007, OIL RES I & II, Class I Div. 2, NEC Art. 501, 725, 760 & 800, AWM 2464
UL (AWG 24 - AWG 28): CM, AWM 2464, rated OIL RES I & II, NEC Art. 725, 760 & 800, NFPA 79 2007
CSA: CSA CMG FT4, AWM I/II A/B

Notes

Advantages

- Highly-flexible, easy to install

Available on request

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

Application

HELUKABEL® TRAYCONTROL 300-C is a screened, 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. The double-screening with aluminium foil (100% coverage) and copper braid (approx. 85% coverage) guarantee superior EMC protection. Applications: tool machines, control panels, measuring devices, production automation, cable ducts, renewable energies.

EMC = Electromagnetic compatibility. To optimise EMC characteristics, we recommend a large contact area for the copper braiding around the entire circumference on both ends.

CE = The product conforms to the EG Low-Voltage Directive 2006/95/EG.

Part No.	Number of cores	Outer Ø approx. mm	Cop. Weight kg/km	Weight approx. kg/km
28 AWG / 0.08 mm² (19/40)				
62710	2	4.4	6	16
62711	3	4.6	7	22
62712	4	4.9	9	27
62713	6	5.4	12	34
62714	8	5.7	15	37
62715	10	6.3	18	43
62716	15	6.9	24	52
62717	20	7.5	30	67
62718	25	8.5	37	79
62719	30	8.8	43	88
62720	40	9.6	54	112
62721	50	11.3	67	131
26 AWG / 0.14 mm² (19/38)				
62722	2	4.6	9	24
62723	3	4.8	10	27
62724	4	5.0	12	31
62725	6	5.6	16	39
62726	8	5.9	19	43
62727	10	7.3	24	66
62728	15	7.3	31	66
62729	20	8.1	40	79
62730	25	9.0	49	92
62731	30	9.3	57	110
62732	40	10.2	72	136
62733	50	11.9	88	165

Part No.	Number of cores	Outer Ø approx. mm	Cop. Weight kg/km	Weight approx. kg/km
24 AWG / 0.25 mm² (19/36)				
62734	2	4.9	15	30
62735	3	5.1	16	33
62736	4	5.3	19	37
62737	6	6.0	27	48
62738	8	6.3	31	57
62739	10	7.1	39	67
62740	15	8.2	51	85
62741	20	8.9	64	106
62742	25	9.8	77	128
62743	30	10.1	92	155
62744	40	11.2	118	206
62745	50	13.0	148	249
22 AWG / 0.34 mm² (19/34)				
62746	2	5.3	19	34
62747	3	5.5	22	40
62748	4	5.8	27	46
62749	6	6.5	34	60
62750	8	6.9	45	72
62751	10	8.1	69	85
62752	15	9.0	77	115
62753	20	9.7	92	140
62754	25	11.4	121	176
62755	30	11.8	139	210
62756	40	12.9	177	273
62757	50	14.3	215	331

Two-core cables without earth core, not ER. Dimensions and specifications may be changed without prior notice.

Continuation ▶