

TRAYCONTROL® 300 flexible, oil-resistant, exposed run

PLTC-ER, ITC-ER, NFPA 79



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

CE

Technical data

- PVC signal and control cable
- **Temperature range**
flexing +5°C to +50°C
static -25°C to +105°C
- **Nominal voltage**
300 V
- **Test voltage**
2000 V
- **Minimum bending radius**
flexing 6x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)

Cable structure

- Finely stranded, tinned copper acc. to AWG standards
- Conductor insulation:
Special PVC (28-24 AWG)
Special PVC with transparent nylon coating (22-16 AWG)
- Conductor identification to international color code
- Conductors stranded in layers with optimal lay length
- Separator
- Special PVC outer jacket
- Gray (RAL 7001) jacket
- With length marking in feet

Properties

- Self-extinguishing and flame retardant acc. to CSA FT4
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers
- UV-resistant (22-16 AWG)
- Direct burial rated (18-16 AWG)
- Resistant to cleaning and disinfecting agents acc. to ECOLAB®

Tests

- **UL (28-24 AWG)**
AWM 2517, CM, NFPA 79, NEC Art. 725, 760 & 800, -40°C Cold Bend
- **UL (22-16 AWG)**
PLTC-ER, ITC-ER, AWM 2517, CM, NFPA 79, NEC Art. 725, 760 & 800, Oil Res I/II, -40°C Cold Bend
- **CSA:**
CMG FT4, C22.2 No. 210 - AWM I/II A/B FT4

Application

TRAYCONTROL® 300 is a multi-conductor PVC signal and control cable. PLTC-ER and ITC-ER approvals make it suitable for open, unprotected installation from cable trays to the machine. Their outstanding oil resistance (Oil Res I/II) makes them ideally suited as a connecting cable and also for control, signal and measuring systems in industrial plants. A flexible cable structure facilitates installation inside and outside of machines and switch cabinets. Applications: machine tools, control panels, control and instrumentation technology, production automation, cable ducts, and renewable energy.

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

Part no.	Cross section mm ²	No. conductors x AWG No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
62625	0,099	2 x 28	3,8	1,6	18,0
62626	0,099	3 x 28	3,9	2,5	19,0
62627	0,099	4 x 28	4,2	3,3	22,0
62628	0,099	6 x 28	4,7	4,9	28,0
62629	0,099	8 x 28	5,0	6,6	33,0
62630	0,099	10 x 28	5,6	8,2	39,0
62631	0,099	15 x 28	6,2	12,3	51,0
62632	0,099	20 x 28	6,8	16,4	61,0
62633	0,099	25 x 28	7,6	20,5	77,0
62634	0,099	30 x 28	8,0	24,6	88,0
62635	0,099	40 x 28	8,8	32,8	107,0
62636	0,099	50 x 28	9,8	41,0	129,0
62637	0,154	2 x 26	4,0	2,8	21,0
62638	0,154	3 x 26	4,2	4,2	24,0
62639	0,154	4 x 26	4,4	5,6	27,0
62640	0,154	6 x 26	5,0	8,4	34,0
62641	0,154	8 x 26	5,3	11,2	40,0
62642	0,154	10 x 26	6,0	14,0	49,0
62643	0,154	15 x 26	6,7	21,0	64,0
62644	0,154	20 x 26	7,5	28,0	83,0
62645	0,154	25 x 26	8,2	35,0	98,0
62646	0,154	30 x 26	8,6	42,0	112,0
62647	0,154	40 x 26	9,5	56,0	140,0

Part no.	Cross section mm ²	No. conductors x AWG No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
62648	0,154	50 x 26	11,1	70,0	185,0
62649	0,241	2 x 24	4,3	4,4	24,0
62650	0,241	3 x 24	4,5	6,7	28,0
62651	0,241	4 x 24	4,8	8,9	36,0
62652	0,241	6 x 24	5,5	13,3	43,0
62653	0,241	8 x 24	5,8	17,7	51,0
62654	0,241	10 x 24	6,6	22,2	61,0
62655	0,241	15 x 24	7,7	33,2	88,0
62656	0,241	20 x 24	8,4	44,3	107,0
62657	0,241	25 x 24	9,1	55,4	128,0
62658	0,241	30 x 24	9,6	66,5	147,0
62659	0,241	40 x 24	11,2	88,6	201,0
62660	0,241	50 x 24	12,4	110,8	243,0
62661	0,382	2 x 22	6,5	7,0	49,0
62662	0,382	3 x 22	6,7	10,6	55,0
62663	0,382	4 x 22	7,2	14,1	67,0
62664	0,382	6 x 22	8,3	21,1	89,0
62665	0,382	8 x 22	8,8	28,2	107,0
62666	0,382	10 x 22	10,1	35,2	129,0
62667	0,382	15 x 22	11,4	52,8	170,0
62668	0,382	20 x 22	12,5	70,4	211,0
62669	0,382	25 x 22	14,6	88,0	284,0
62670	0,382	30 x 22	15,4	105,6	324,0

Continuation ►

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Part no.	Cross section mm²	No. conductors x AWG No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
62683	0,616	40 x 20	18,7	224,7	525,0
62684	0,616	50 x 20	21,0	280,8	638,0
62685	0,963	2 x 18	7,4	18,0	70,0
62686	0,963	3 x 18	7,7	27,1	86,0
62687	0,963	4 x 18	8,3	36,1	104,0
62688	0,963	6 x 18	9,7	54,1	140,0
62689	0,963	8 x 18	10,4	72,1	171,0
62690	0,963	10 x 18	11,9	90,2	211,0
62691	0,963	15 x 18	13,5	135,2	293,0
62692	0,963	20 x 18	15,8	180,3	394,0
62693	0,963	25 x 18	17,4	225,4	490,0
62694	0,963	30 x 18	18,3	270,5	548,0
62695	0,963	40 x 18	20,4	360,7	698,0

Part no.	Cross section mm²	No. conductors x AWG No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
62696	0,963	50 x 18	23,9	450,8	915,0
62697	1,31	2 x 16	7,9	24,4	82,0
62698	1,31	3 x 16	8,3	36,6	101,0
62699	1,31	4 x 16	8,9	48,8	124,0
62700	1,31	6 x 16	10,3	73,1	165,0
62702	1,31	8 x 16	11,2	97,5	205,0
62703	1,31	10 x 16	13,0	121,9	251,0
62704	1,31	15 x 16	15,6	182,8	382,0
62705	1,31	20 x 16	17,1	243,8	482,0
62706	1,31	25 x 16	18,9	304,7	582,0
62707	1,31	30 x 16	19,9	365,7	677,0
62708	1,31	40 x 16	23,2	487,6	927,0
62709	1,31	50 x 16	26,0	609,4	1129,0

Dimensions and specifications may be changed without prior notice.