

TRAYCONTROL® 300 flexible, oil-resistant, exposed run

PLTC-ER, ITC-ER, NFPA 79



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
- Special PVC conductor insulation (22-16 AWG with transparent nylon coating)
- 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



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, Class I Div. 2 per NEC Art. 501, 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

Note

Advantages

- Highly flexible, easy to install
- Rated Oil Res I/II

Available on request

- PUR or TPE outer jacket
- Jacket color to customer requirements

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 mm²	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 mm²	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

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62671	0,382	40 x 22	17,0	140,9	409,0
62672	0,382	50 x 22	19,1	176,1	491,0
62673	0,616	2 x 20	6,9	11,2	60,0
62674	0,616	3 x 20	7,2	16,8	70,0
62675	0,616	4 x 20	7,8	22,5	82,0
62676	0,616	6 x 20	9,0	33,7	112,0
62677	0,616	8 x 20	9,6	44,9	134,0
62678	0,616	10 x 20	11,0	56,2	161,0
62679	0,616	15 x 20	12,5	84,2	220,0
62680	0,616	20 x 20	14,5	112,3	305,0
62681	0,616	25 x 20	16,0	140,4	366,0
62682	0,616	30 x 20	16,8	168,5	417,0
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

Part no.	Cross section mm²	No. conductors x AWG No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
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
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.



Solutions Provider

We have provided cable solutions for over 40 years. We share our technical expertise with customers and help them select the proper cable for their application.