

TRAYCONTROL 300 TP stranded pair, flexible, oil-resistant,

NFPA 79 Edition 2007



new

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

Cable structure

- Tinned copper conductor, fine wire stranded, with AWG measures
- Special PVC core insulation (AWG 22 - AWG 18 with transparent nylon skin)
- Pair identification according to international colour code
- Cores stranded in pairs with optimal lay-length
- Pairs stranded in layers with optimal lay-length
- 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 18): 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 26): 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

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 requirement

Application

HELUKABEL® TRAYCONTROL 300 TP is a stranded pair data and control cable. Cross-sections with PLTC-ER and ITC-ER approval 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, measuring devices, production automation, cable ducts, renewable energies.

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

Part no.	No.pairs x no.cores x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
62794	1 x 2 x 0,14	26	3,6	3,0	20,0
62795	2 x 2 x 0,14	26	5,1	5,0	24,0
62796	3 x 2 x 0,14	26	5,3	8,0	30,0
62797	4 x 2 x 0,14	26	5,8	11,0	38,0
62798	5 x 2 x 0,14	26	6,2	14,0	44,0
62799	6 x 2 x 0,14	26	6,8	16,0	51,0
62800	7 x 2 x 0,14	26	6,9	19,0	57,0
61928	8 x 2 x 0,14	26	7,3	22,0	64,0
61929	10 x 2 x 0,14	26	7,4	27,0	76,0
61930	12 x 2 x 0,14	26	9,1	33,0	93,0
61931	14 x 2 x 0,14	26	9,8	38,0	103,0
61932	15 x 2 x 0,14	26	10,6	41,0	109,0
61933	16 x 2 x 0,14	26	10,7	43,0	112,0
61934	18 x 2 x 0,14	26	11,1	49,0	119,0
61935	20 x 2 x 0,14	26	11,9	54,0	130,0
61936	22 x 2 x 0,14	26	12,4	59,0	150,0
61937	24 x 2 x 0,14	26	13,1	65,0	169,0
61938	25 x 2 x 0,14	26	13,4	67,0	178,0
61939	1 x 2 x 0,25	24	3,9	5,0	32,0
61940	2 x 2 x 0,25	24	5,9	10,0	36,0
61941	3 x 2 x 0,25	24	6,2	15,0	48,0
61942	4 x 2 x 0,25	24	6,5	20,0	56,0
61943	5 x 2 x 0,25	24	7,2	25,0	71,0
61944	6 x 2 x 0,25	24	8,1	29,0	80,0
61945	7 x 2 x 0,25	24	8,2	34,0	89,0
61946	8 x 2 x 0,25	24	8,9	39,0	98,0
61947	10 x 2 x 0,25	24	10,5	49,0	111,0
61948	12 x 2 x 0,25	26	11,0	59,0	135,0
61949	14 x 2 x 0,25	24	11,6	69,0	160,0
61950	15 x 2 x 0,25	24	12,0	74,0	171,0

Part no.	No.pairs x no.cores x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
61951	16 x 2 x 0,25	24	12,1	79,0	185,0
61952	18 x 2 x 0,25	24	13,5	89,0	209,0
61953	20 x 2 x 0,25	24	14,4	98,0	230,0
61954	22 x 2 x 0,25	24	15,3	109,0	248,0
61955	24 x 2 x 0,25	24	16,1	118,0	279,0
61956	25 x 2 x 0,25	24	16,7	124,0	292,0
61957	1 x 2 x 0,34	22	4,2	7,0	38,0
61958	2 x 2 x 0,34	22	6,4	13,0	44,0
61959	3 x 2 x 0,34	22	6,8	20,0	60,0
61960	4 x 2 x 0,34	22	7,9	7,6	26,0
61961	5 x 2 x 0,34	22	8,2	33,0	92,0
61962	6 x 2 x 0,34	22	8,9	39,0	119,0
61963	7 x 2 x 0,34	22	9,0	46,0	128,0
61964	8 x 2 x 0,34	22	9,9	52,0	139,0
61965	10 x 2 x 0,34	22	11,7	65,0	171,0
61966	12 x 2 x 0,34	22	12,4	78,0	194,0
61967	14 x 2 x 0,34	22	13,0	92,0	222,0
61968	15 x 2 x 0,34	22	13,2	98,0	231,0
61969	16 x 2 x 0,34	22	13,3	105,0	240,0
61970	18 x 2 x 0,34	22	14,2	118,0	264,0
61971	20 x 2 x 0,34	22	15,1	131,0	291,0
61972	22 x 2 x 0,34	22	15,8	144,0	300,0
61973	24 x 2 x 0,34	22	17,0	157,0	359,0
61974	25 x 2 x 0,34	22	17,5	163,0	381,0
61975	1 x 2 x 0,75	20	5,2	11,0	60,0
61976	2 x 2 x 0,75	20	8,8	22,0	80,0
61977	3 x 2 x 0,75	20	9,3	32,0	94,0
61978	4 x 2 x 0,75	20	10,2	43,0	104,0
61979	5 x 2 x 0,75	20	11,3	54,0	130,0
61980	6 x 2 x 0,75	20	12,5	65,0	151,0

Continuation ►

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Part no.	No.pairs x no.cores x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
61981	7 x 2 x 0,75	20	12,6	75,0	174,0
61982	8 x 2 x 0,75	20	15,9	86,0	262,0
61983	10 x 2 x 0,75	20	16,4	108,0	298,0
61984	12 x 2 x 0,75	20	17,2	129,0	302,0
61985	14 x 2 x 0,75	20	18,1	151,0	327,0
61986	15 x 2 x 0,75	20	18,5	161,0	370,0
61987	16 x 2 x 0,75	20	18,6	172,0	402,0
61988	18 x 2 x 0,75	20	19,9	194,0	480,0
61989	20 x 2 x 0,75	20	21,1	215,0	551,0

Part no.	No.pairs x no.cores x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
61990	22 x 2 x 0,75	20	21,8	237,0	621,0
61991	24 x 2 x 0,75	20	23,5	258,0	703,0
61992	25 x 2 x 0,75	20	24,3	269,0	721,0
61993	1 x 2 x 1	18	5,6	18,0	61,0
61994	1 x 2 x 1	18	9,6	36,0	77,0
61995	3 x 2 x 1	18	10,6	54,0	103,0
61996	6 x 2 x 1	18	13,7	107,0	216,0
61997	9 x 2 x 1	18	16,4	162,0	328,0
61998	15 x 2 x 1	18	20,4	271,0	542,0

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

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