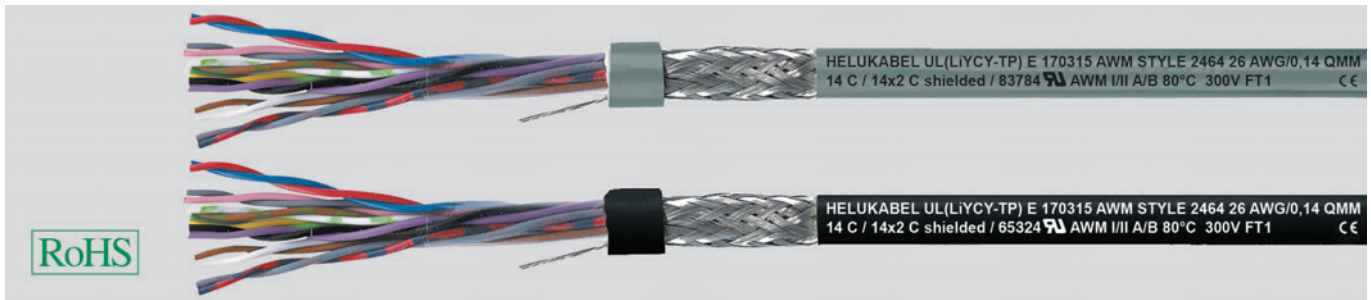


Command Cable UL (LiYCY-TP) style 2464/300 V, 80°C,

EMC-preferred type



Technical data

- Special PVC command cable, approved to UL-Style 2464, cores according, UL-Style 1061/1729
- **Temperature range**
flexing -10 °C to +80 °C
fixed installation -20 °C to +80 °C
- **Nominal voltage** 300 V
- **Test voltage** 1500 V
- **Breakdown voltage**
min. 3000 V
- **Insulation resistance**
min. 100 MOhm x km
- **Minimum bending radius**
fixed approx. 7,5 cable ø
flexing approx. 15 cable ø
- **Coupling resistance**
max. 250 Ohm/km

Cable structure

- Tinned copper, fine wire conductors to ASTM-B 174-95 class J-M
Conductor make-up to
0,14 mm² = 7x0,162 mm
0,23 mm² = 7x0,202 mm
0,34 mm² = 7x0,254 mm
0,56 mm² = 7x0,32 mm
- Special PVC core insulation class 43, semirigid to UL-Std. 1581 table 50.182 and 50183
- Colour coded to DIN 47100 with colour repetition from pair no. 22 and above or international colour code
- Cores stranded in pairs with optimal lay-length
- Pairs stranded in layers with optimal lay-length
- Separator-foil
- Drain wire
- Tinned copper wire braiding, approx. 85% coverage
- Special PVC outer jacket class 43 to UL-Std. 1581 table 50.182
- Outer jacket colour
black (international colour code)
grey (DIN 47100 / preferred type from stock)

Properties

- PVC flame retardant according to UL VW-1/CSA FT1
- **Conditionally resistant to**
Oil
Solvents
Acids
Lyes
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- **non-screened analogue type:**
Command Cable UL (LiYY-TP),
see page N 67

Application

Twisted pair control cable for use in tool making machinery conveyor system and production lines, in industrial plants and in air conditioning as well as in the steel producing industries.

EMC = Electromagnetic compatibility

To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	Jacket colour	Jacket colour	No.pairs x cross-sec. mm ²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
83774	grey	black	1 x 2 x 0,14	26	4,0	15,7	32,0
83775	65314		2 x 2 x 0,14	26	5,6	19,5	39,0
83776	65316		3 x 2 x 0,14	26	5,8	23,7	47,0
83777	65317		4 x 2 x 0,14	26	6,3	26,9	55,0
83778	65318		5 x 2 x 0,14	26	6,7	31,2	68,0
83779	65319		6 x 2 x 0,14	26	7,3	49,7	86,0
83780	65320		7 x 2 x 0,14	26	7,3	52,0	92,0
83781	65321		8 x 2 x 0,14	26	7,8	53,9	97,0
83782	65322		10 x 2 x 0,14	26	9,1	59,6	111,0
83783	65323		12 x 2 x 0,14	26	9,8	67,1	141,0
83784	65324		14 x 2 x 0,14	26	10,5	75,2	150,0
83785	65325		15 x 2 x 0,14	26	11,1	77,3	154,0
83786	65326		16 x 2 x 0,14	26	11,1	80,4	155,0
83787	65327		18 x 2 x 0,14	26	11,8	84,2	170,0
83788	65328		20 x 2 x 0,14	26	12,4	98,2	183,0
83789	65329		22 x 2 x 0,14	26	13,1	104,1	207,0
83790	65330		24 x 2 x 0,14	26	13,6	112,0	228,0
83791	65331		25 x 2 x 0,14	26	15,1	114,4	239,0

Part no.	Jacket colour	Jacket colour	No.pairs x cross-sec. mm ²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
83792	grey	black	1 x 2 x 0,23	24	4,2	16,4	46,0
83793	65332		2 x 2 x 0,23	24	5,9	27,4	53,0
83794	65334		3 x 2 x 0,23	24	6,2	31,7	65,0
83795	65335		4 x 2 x 0,23	24	6,7	37,4	79,0
83796	65336		5 x 2 x 0,23	24	7,2	54,7	98,0
83797	65337		6 x 2 x 0,23	24	7,7	65,6	114,0
83798	65338		7 x 2 x 0,23	24	7,7	60,2	121,0
83799	65339		8 x 2 x 0,23	24	8,4	74,1	129,0
83800	65340		10 x 2 x 0,23	24	9,9	109,3	152,0
83801	65341		12 x 2 x 0,23	24	10,2	115,8	189,0
83802	65342		14 x 2 x 0,23	24	10,9	120,7	213,0
83803	65343		15 x 2 x 0,23	24	11,4	132,4	225,0
83804	65344		16 x 2 x 0,23	24	11,4	141,6	227,0
83805	65345		18 x 2 x 0,23	24	12,2	146,6	238,0
83806	65346		20 x 2 x 0,23	24	12,7	160,6	270,0
83807	65347		22 x 2 x 0,23	24	13,5	170,8	300,0
83808	65348		24 x 2 x 0,23	24	14,5	229,7	321,0
83809	65349		25 x 2 x 0,23	24	14,8	251,4	340,0

Continuation ►

Command Cable UL (LiYCY-TP) style 2464/300 V, 80°C,

EMC-preferred type



Part no. Jacket colour grey	Jacket colour black	No.pairs x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
83810	65350	1 x 2 x 0,34	22	4,6	17,0	58,0
83811	65351	2 x 2 x 0,34	22	6,4	36,7	65,0
83812	65352	3 x 2 x 0,34	22	6,9	44,6	78,0
83813	65353	4 x 2 x 0,34	22	7,5	54,1	88,0
83814	65354	5 x 2 x 0,34	22	8,1	63,4	110,0
83815	65355	6 x 2 x 0,34	22	8,8	73,4	126,0
83816	65356	7 x 2 x 0,34	22	8,8	79,4	140,0
83817	65357	8 x 2 x 0,34	22	9,7	88,4	148,0
83818	65358	10 x 2 x 0,34	22	11,5	107,0	184,0
83819	65359	12 x 2 x 0,34	22	12,0	122,4	210,0
83820	65360	14 x 2 x 0,34	22	12,6	138,2	241,0
83821	65361	15 x 2 x 0,34	22	13,4	154,3	245,0
83822	65362	16 x 2 x 0,34	22	13,4	161,4	251,0
83823	65363	18 x 2 x 0,34	22	14,4	197,9	275,0
83824	65364	20 x 2 x 0,34	22	15,0	211,4	300,0
83825	65365	22 x 2 x 0,34	22	15,9	217,6	320,0
83826	65366	24 x 2 x 0,34	22	17,0	230,4	371,0
83827	65367	25 x 2 x 0,34	22	17,3	138,5	402,0

Part no. Jacket colour grey	Jacket colour black	No.pairs x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
83828	65368	1 x 2 x 0,56	20	5,0	26,0	70,0
83829	65369	2 x 2 x 0,56	20	7,0	56,1	89,0
83830	65370	3 x 2 x 0,56	20	7,6	71,7	102,0
83831	65371	4 x 2 x 0,56	20	8,3	92,4	119,0
83832	65372	5 x 2 x 0,56	20	9,1	107,4	140,0
83833	65373	6 x 2 x 0,56	20	10,1	122,4	162,0
83834	65374	7 x 2 x 0,56	20	10,1	131,7	198,0
83835	65375	8 x 2 x 0,56	20	12,7	144,3	272,0
83836	65376	10 x 2 x 0,56	20	13,2	179,6	307,0
83837	65377	12 x 2 x 0,56	20	13,6	201,7	318,0
83838	65378	14 x 2 x 0,56	20	14,4	221,4	342,0
83839	65379	15 x 2 x 0,56	20	15,5	231,6	381,0
83840	65380	16 x 2 x 0,56	20	15,5	257,1	417,0
83841	65381	18 x 2 x 0,56	20	16,3	282,4	494,0
83842	65382	20 x 2 x 0,56	20	17,1	306,7	570,0
83843	65383	22 x 2 x 0,56	20	18,0	321,8	643,0
83844	65384	24 x 2 x 0,56	20	19,4	342,4	724,0
83845	65385	25 x 2 x 0,56	20	19,8	361,2	740,0

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

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