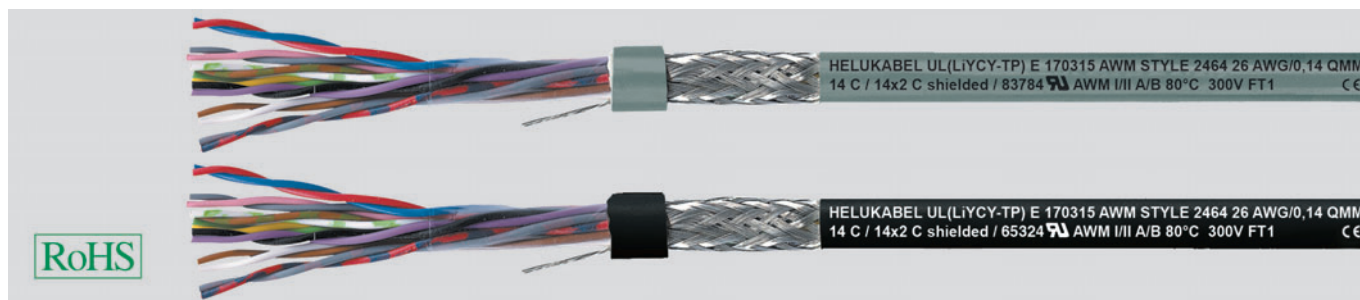


Command Cable UL (LiYCY-TP) style 2464/300 V, 80°C,

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	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	83792	grey	black	1 x 2 x 0,23	24	4,2	16,4	46,0
83775	65314	65315	2 x 2 x 0,14	26	5,6	19,5	39,0	83793	65332	65333	2 x 2 x 0,23	24	5,9	27,4	53,0
83776	65316	65317	3 x 2 x 0,14	26	5,8	23,7	47,0	83794	65334	65335	3 x 2 x 0,23	24	6,2	31,7	65,0
83777	65317	65318	4 x 2 x 0,14	26	6,3	26,9	55,0	83795	65336	65337	4 x 2 x 0,23	24	6,7	37,4	79,0
83778	65318	65319	5 x 2 x 0,14	26	6,7	31,2	68,0	83796	65338	65339	5 x 2 x 0,23	24	7,2	54,7	98,0
83779	65319	65320	6 x 2 x 0,14	26	7,3	49,7	86,0	83797	65340	65341	6 x 2 x 0,23	24	7,7	65,6	114,0
83780	65320	65321	7 x 2 x 0,14	26	7,3	52,0	92,0	83798	65342	65343	7 x 2 x 0,23	24	7,7	60,2	121,0
83781	65321	65322	8 x 2 x 0,14	26	7,8	53,9	97,0	83799	65344	65345	8 x 2 x 0,23	24	8,4	74,1	129,0
83782	65322	65323	10 x 2 x 0,14	26	9,1	59,6	111,0	83800	65346	65347	10 x 2 x 0,23	24	9,9	109,3	152,0
83783	65323	65324	12 x 2 x 0,14	26	9,8	67,1	141,0	83801	65348	65349	12 x 2 x 0,23	24	10,2	115,8	189,0
83784	65324	65325	14 x 2 x 0,14	26	10,5	75,2	150,0	83802	65342	65343	14 x 2 x 0,23	24	10,9	120,7	213,0
83785	65325	65326	15 x 2 x 0,14	26	11,1	77,3	154,0	83803	65344	65345	15 x 2 x 0,23	24	11,4	132,4	225,0
83786	65326	65327	16 x 2 x 0,14	26	11,1	80,4	155,0	83804	65346	65347	16 x 2 x 0,23	24	11,4	141,6	227,0
83787	65327	65328	18 x 2 x 0,14	26	11,8	84,2	170,0	83805	65348	65349	18 x 2 x 0,23	24	12,2	146,6	238,0
83788	65328	65329	20 x 2 x 0,14	26	12,4	98,2	183,0	83806	65342	65343	20 x 2 x 0,23	24	12,7	160,6	270,0
83789	65329	65330	22 x 2 x 0,14	26	13,1	104,1	207,0	83807	65344	65345	22 x 2 x 0,23	24	13,5	170,8	300,0
83790	65330	65331	24 x 2 x 0,14	26	13,6	112,0	228,0	83808	65346	65347	24 x 2 x 0,23	24	14,5	229,7	321,0
83791	65331		25 x 2 x 0,14	26	15,1	114,4	239,0	83809	65348	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,

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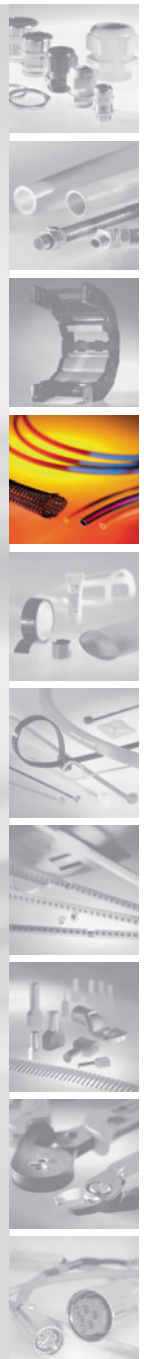
Part no.	Jacket colour	Jacket colour	No.pairs x cross-sec. mm ²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
83810	grey	black	1 x 2 x 0,34	22	4,6	17,0	58,0
83811	grey	black	2 x 2 x 0,34	22	6,4	36,7	65,0
83812	grey	black	3 x 2 x 0,34	22	6,9	44,6	78,0
83813	grey	black	4 x 2 x 0,34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

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
83828	grey	black	1 x 2 x 0,56	20	5,0	26,0	70,0
83829	grey	black	2 x 2 x 0,56	20	7,0	56,1	89,0
83830	grey	black	3 x 2 x 0,56	20	7,6	71,7	102,0
83831	grey	black	4 x 2 x 0,56	20	8,3	92,4	119,0
83832	grey	black	5 x 2 x 0,56	20	9,1	107,4	140,0
83833	grey	black	6 x 2 x 0,56	20	10,1	122,4	162,0
83834	grey	black	7 x 2 x 0,56	20	10,1	131,7	198,0
83835	grey	black	8 x 2 x 0,56	20	12,7	144,3	272,0
83836	grey	black	10 x 2 x 0,56	20	13,2	179,6	307,0
83837	grey	black	12 x 2 x 0,56	20	13,6	201,7	318,0
83838	grey	black	14 x 2 x 0,56	20	14,4	221,4	342,0
83839	grey	black	15 x 2 x 0,56	20	15,5	231,6	381,0
83840	grey	black	16 x 2 x 0,56	20	15,5	257,1	417,0
83841	grey	black	18 x 2 x 0,56	20	16,3	282,4	494,0
83842	grey	black	20 x 2 x 0,56	20	17,1	306,7	570,0
83843	grey	black	22 x 2 x 0,56	20	18,0	321,8	643,0
83844	grey	black	24 x 2 x 0,56	20	19,4	342,4	724,0
83845	grey	black	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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