

# Command Cable UL (LiYCY)

Style 2464, 300 V, 80°C, EMC-preferred type



## Technical data

- Special PVC command cable, approved to UL Style 2464, cores for AWG 26-20 to UL Style 1061/1729 for AWG 18-16 to UL Style 1007/1569
- **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
- **Minimum bending radius**  
flexing 15x cable Ø  
fixed installation 7,5x cable Ø
- **Coupling resistance**  
max. 250 Ohm/km

## Cable structure

- Tinned copper conductor, fine wire, AWG 26-20 to ASTM-B 174-95 class J-M, AWG 18-16 to ASTM-B 286
- Conductor make-up to:  
0,14 mm<sup>2</sup> = 7x0,162 mm  
0,23 mm<sup>2</sup> = 7x0,202 mm  
0,34 mm<sup>2</sup> = 7x0,254 mm  
0,56 mm<sup>2</sup> = 7x0,32 mm  
0,82 mm<sup>2</sup> = 19x0,235 mm  
1,30 mm<sup>2</sup> = 19x0,31 mm
- Core insulation of special PVC, respectively semirigid acc. to UL Std. 1581 tab.50.182 and 50.183
- Core identification to DIN 47100 or international colour code
- Cores stranded in layers with optimal lay length
- Separator-foil
- Drain wire
- Tinned copper wire braiding, approx. 85% coverage
- Outer sheath of PVC acc. to UL Std.1581 tab.50.182
- Sheath colour:  
grey (DIN 47100)  
black (international colour code)

## Properties

- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers
- **To a large extent resistant to**  
Oil  
Solvents  
Acids  
Lyes

## Tests

- PVC flame retardant acc. to UL VW-1 / CSA FT1

## Note

- AWG sizes are approximate equivalent values. The actual cross section is in mm<sup>2</sup>.
- Unscreened analogue types:  
**command cable UL (LiYY)**

## Application

As a flexible interconnecting cable for electronics, control and command technology, as well as in measurement, signal, and pulse technology. Fast and inexpensive contacting by cutting and clamping technology.

EMC = Electromagnetic compatibility

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

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no. Sheath colour grey	Part no. Sheath colour black	No.cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83254	83976	2 x 0,14	26	4,0	12,6	20,0
83255	83977	3 x 0,14	26	4,3	13,7	25,0
83256	83978	4 x 0,14	26	4,5	14,9	28,0
83257	83979	6 x 0,14	26	5,1	18,9	30,0
83258	83980	10 x 0,14	26	6,1	29,5	50,0
83259	83981	12 x 0,14	26	6,3	31,4	53,0
83260	83982	16 x 0,14	26	6,8	43,9	60,0
83261	83983	18 x 0,14	26	7,1	52,1	70,0
83262	83984	24 x 0,14	26	8,1	62,8	100,0
83263	83985	27 x 0,14	26	8,3	66,3	105,0
83264	83986	30 x 0,14	26	8,5	70,4	110,0

Part no. Sheath colour grey	Part no. Sheath colour black	No.cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83270	83987	2 x 0,23	24	4,3	16,1	20,0
83271	83988	3 x 0,23	24	4,5	18,9	25,0
83272	83989	4 x 0,23	24	4,8	23,0	30,0
83273	83990	6 x 0,23	24	5,4	32,8	40,0
83274	83991	10 x 0,23	24	6,5	50,9	60,0
83275	83992	12 x 0,23	24	6,7	59,1	70,0
83276	83993	16 x 0,23	24	7,3	68,4	90,0
83277	83994	18 x 0,23	24	7,6	79,5	123,0
83278	83995	24 x 0,23	24	8,7	97,3	131,0
83279	83996	27 x 0,23	24	9,0	122,0	160,0
83280	83997	30 x 0,23	24	9,5	132,0	170,0

Continuation ►

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Part no. Sheath colour grey	Part no. Sheath colour black	No.cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83286	65044	2 x 0,34	22	4,7	18,1	40,0
83287	65045	3 x 0,34	22	4,9	22,2	50,0
83288	65046	4 x 0,34	22	5,2	28,7	60,0
83289	65047	6 x 0,34	22	6,0	45,4	80,0
83290	65048	10 x 0,34	22	7,3	66,1	130,0
83291	65049	12 x 0,34	22	7,5	70,8	140,0
83292	65050	16 x 0,34	22	8,2	88,4	160,0
83293	65051	18 x 0,34	22	8,7	104,1	170,0
83294	65052	24 x 0,34	22	9,9	129,0	220,0
83295	65053	27 x 0,34	22	10,4	138,4	250,0
83296	65054	30 x 0,34	22	10,9	159,0	280,0
83302	65055	2 x 0,56	20	5,1	29,4	50,0
83303	65056	3 x 0,56	20	5,3	39,7	55,0
83304	65057	4 x 0,56	20	5,7	46,1	61,0
83305	65058	6 x 0,56	20	6,6	66,8	90,0
83306	65059	10 x 0,56	20	8,1	93,1	133,0
83307	65060	12 x 0,56	20	8,4	117,4	151,0
83308	65061	16 x 0,56	20	9,5	130,4	190,0
83309	65062	18 x 0,56	20	9,9	151,4	216,0
83310	65063	24 x 0,56	20	11,5	237,0	339,0
83311	65064	27 x 0,56	20	12,0	257,4	374,0
83312	65065	30 x 0,56	20	12,4	297,0	397,0

Part no. Sheath colour grey	Part no. Sheath colour black	No.cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83318	65066	2 x 0,82	18	6,1	39,1	60,0
83319	65067	3 x 0,82	18	6,4	50,0	75,0
83320	65068	4 x 0,82	18	6,9	59,1	90,0
83321	65069	6 x 0,82	18	8,1	89,1	125,0
83322	65070	10 x 0,82	18	10,4	141,4	180,0
83323	65071	12 x 0,82	18	10,9	152,8	220,0
83324	65072	16 x 0,82	18	12,2	184,1	290,0
83325	65073	18 x 0,82	18	13,1	207,2	300,0
83326	65074	24 x 0,82	18	15,3	272,6	450,0
83327	65075	27 x 0,82	18	15,8	289,1	470,0
83328	65076	30 x 0,82	18	16,3	317,4	490,0
83334	65077	2 x 1,3	16	6,9	59,1	90,0
83335	65078	3 x 1,3	16	7,3	74,1	160,0
83336	65079	4 x 1,3	16	7,9	96,4	200,0
83337	65080	6 x 1,3	16	9,6	137,4	290,0
83338	65081	10 x 1,3	16	12,4	191,7	450,0
83339	65082	12 x 1,3	16	12,8	251,7	600,0
83340	65083	16 x 1,3	16	14,6	276,1	650,0
83341	65084	18 x 1,3	16	15,5	364,1	680,0
83342	65085	24 x 1,3	16	18,3	442,4	900,0
83343	65086	27 x 1,3	16	18,8	494,7	990,0
83344	65087	30 x 1,3	16	19,6	521,4	1050,0

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