

# Command Cable UL (LiYCY) Style 2464, 300V, 80°C,

EMC-preferred type



## Technical data

- Special PVC command cable, approved to UL-Style 2464, cores according AWG 26-20 to UL-Style 1061/1729 AWG 18-16 to UL-Style 1007/1569
- **Temperature range** -20°C to +80°C
- **Nominal voltage** 300 V
- **Test voltage** 1500 V
- **Breakdown voltage** min. 3000 V
- **Minimum bending radius** flexing approx. 15x cable Ø
- **Coupling resistance** max. 250 Ohm/km

## Cable construction

- Tinned copper, fine wire conductors AWG 26-20 gem. ASTM-B 174-95 class J-M, AWG 18-16 gem. ASTM-B 286 conductor make-up to 0,14 mm<sup>2</sup> = 7x0,162 mm 0,22 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
- Special PVC core insulation class 43, semirigid to UL-Std. 1581 table 50.182 and 50.183
- Colour coded 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
- 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
- **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 mm<sup>2</sup>.

## Application

This cable type is suitable for use as a flexible connector cable in the fields of electronics, control and command technology as well as for measuring, signal and impulse transfer. Quick and cost favourable connections through cutting and clamping technics.

**EMC** = Electromagnetic compatibility

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

**CE** = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No. grey	Part No. black	No.cores x cross-sec. mm <sup>2</sup>	AWG-no.	Outer ø ca. mm	Cop. weight kg/km	Weight ca. kg/km
83254	83976	2 x 0,14	26	4,1	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	7,0	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	8,6	70,4	110,0

Part No. grey	Part No. black	No.cores x cross-sec. mm <sup>2</sup>	AWG-no.	Outer ø ca. mm	Cop. weight kg/km	Weight ca. kg/km
83270	83987	2 x 0,22	24	4,3	16,1	20,0
83271	83988	3 x 0,22	24	4,5	18,9	25,0
83272	83989	4 x 0,22	24	4,8	23,0	30,0
83273	83990	6 x 0,22	24	5,4	32,8	40,0
83274	83991	10 x 0,22	24	6,5	50,9	60,0
83275	83992	12 x 0,22	24	6,7	59,1	70,0
83276	83993	16 x 0,22	24	7,4	68,4	90,0
83277	83994	18 x 0,22	24	7,7	79,5	125,0
83278	83995	24 x 0,22	24	8,8	97,3	131,0
83279	83996	27 x 0,22	24	9,0	122,0	160,0
83280	83997	30 x 0,22	24	9,3	132,0	170,0

Dimensions and specifications may be changed without prior notice.

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