

Command Cable UL (LiYY) Style 2516, 600 V, 105°C



Technical data

- Special PVC command cable, approved to UL-Style 2516
- **Temperature range**
flexing -10°C to +105°C
fixed installation -20°C to +105°C
- **Nominal voltage** 600 V
- **Test voltage** 2000 V
- **Breakdown voltage** min. 4000 V
- **Minimum bending radius**
fixed 7,5x cable Ø
flexing 15x cable Ø

Cable structure

- Tinned copper, fine wire conductors acc. to ASTM-B 174, class J-K
Conductor make-up to:
2,08 mm² = 41x0,254 mm
3,20 mm² = 65x0,254 mm
- Core insulation of special PVC class 43 acc. to UL-Std.1581 tab.50.182 (105°C)
- Core identification to DIN 47100 or international colour code
- Cores stranded in layers with optimal lay-length
- Outer sheath of special PVC class 43 acc. to UL-Std.1581 tab.50.182 (105°C)
- Sheath colour
black (international colour code)
grey (DIN 47100 / preferred type from stock)

Properties

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC flame retardant acc. to UL VW-1, CSA FT1
- **Conditionally resistant to**
Oil
Solvents
Acids
Lyes

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- screened analogue type:
command cable UL (LiYCY), confer page 415

Application

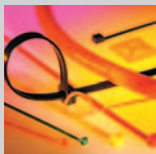
As a flexible connector and connecting cable, as control, signal and measuring line of machine tools, conveyor belts and plant construction, air conditioning systems, in foundries and steel mills.

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

Part no. Sheath colour grey	Part no. Sheath colour black	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83233	83624	2 x 2,08	14	8,4	39,6	120,0
83234	83625	3 x 2,08	14	8,9	59,6	150,0
83235	83626	4 x 2,08	14	9,6	79,2	190,0
83236	83627	6 x 2,08	14	11,4	119,0	300,0
83237	83628	10 x 2,08	14	15,1	198,4	450,0
83238	83629	12 x 2,08	14	15,6	238,7	500,0
83239	83630	16 x 2,08	14	17,2	319,0	700,0
83240	83631	18 x 2,08	14	18,3	358,4	750,0
83241	83632	24 x 2,08	14	21,5	478,4	900,0
83242	83633	27 x 2,08	14	22,7	538,1	1100,0
83243	83634	30 x 2,08	14	23,5	598,4	1150,0
83244	83635	36 x 2,08	14	25,4	717,2	1800,0

Part no. Sheath colour grey	Part no. Sheath colour black	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83245	83636	2 x 3,2	12	9,3	61,0	150,0
83246	83637	3 x 3,2	12	9,8	91,4	210,0
83247	83638	4 x 3,2	12	10,8	121,6	300,0
83248	83639	6 x 3,2	12	12,8	183,7	430,0
83249	83640	10 x 3,2	12	17,0	305,9	500,0
83250	83641	12 x 3,2	12	17,5	367,6	700,0
83251	83642	16 x 3,2	12	19,8	490,9	810,0
83252	83643	18 x 3,2	12	21,0	551,7	970,0
83253	83644	24 x 3,2	12	24,8	736,4	1200,0

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



Suitable accessories can be found in Chapter X.

- Cable tie