

Command Cable UL (LiYCY) style 2516/600 V, 105°C,

EMC-preferred type



Technical data

- Special PVC command cable, approved to UL-Style 2516 cores according to UL-Style 10012
- **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 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, class J-K conductor make-up to 2,08 mm² = 41x0,254 mm 3,20 mm² = 65x0,254 mm
- Special PVC core insulation class 43 to UL-Std. 1581 table 50.182 (105 °C)
- 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 (105 °C)
- 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 types:**
Command Cable UL (LiYY),
see page N 65

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 copper braiding on both ends.

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

Part no. Jacket colour grey	Part no. Jacket colour black	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø approx. mm	Cop. approx. weight kg / km	Weight approx. kg / km
83350	65114	2 x 2,08	14	9,1	92,1	180,0
83351	65115	3 x 2,08	14	9,6	140,6	220,0
83352	65116	4 x 2,08	14	10,4	162,4	270,0
83353	65117	6 x 2,08	14	12,1	200,0	380,0
83354	65118	10 x 2,08	14	16,0	313,1	600,0
83355	65119	12 x 2,08	14	16,5	417,6	770,0
83356	65120	16 x 2,08	14	18,1	510,3	870,0
83357	65121	18 x 2,08	14	19,4	540,4	990,0
83358	65122	24 x 2,08	14	23,4	580,6	1300,0
83359	65123	27 x 2,08	14	23,9	604,2	1400,0
83360	65124	30 x 2,08	14	24,6	660,1	1610,0

Part no. Jacket colour grey	Part no. Jacket colour black	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø approx. mm	Cop. approx. weight kg / km	Weight approx. kg / km
83362	65125	2 x 3,2	12	10,0	131,4	200,0
83363	65126	3 x 3,2	12	10,6	162,6	240,0
83364	65127	4 x 3,2	12	11,4	221,7	300,0
83365	65128	6 x 3,2	12	14,4	328,1	400,0
83366	65129	10 x 3,2	12	17,8	401,8	580,0
83367	65130	12 x 3,2	12	18,4	460,2	800,0
83368	65131	16 x 3,2	12	20,6	532,3	900,0
83369	65132	18 x 3,2	12	22,7	573,4	1000,0
83370	65133	24 x 3,2	12	26,1	626,8	1300,0

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