Command Cable UL (LiYY)

Style 2464, 300 V, 80°C

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

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 mm² = 7x0,162 mm
  0,23 mm² = 7x0,202 mm
  0,34 mm² = 7x0,254 mm
  0,56 mm² = 7x0,32 mm
  0,82 mm² = 19x0,235 mm
  1,30 mm² = 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
- Outer sheath of special PVC acc. to UL Std.1581 tab.50.182
- Sheath colour:
  black (international colour code)
  grey (DIN 47100)

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 mm².
- Screened analogue type:
  Command cable UL (LiYCY)

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

Part no. Sheath colour grey	Part no. Sheath colour black	No.cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83137	83045	2 x 0,14	26	3,5	3,6	13,0
83138	83046	3 x 0,14	26	3,7	4,0	15,0
83139	83047	4 x 0,14	26	4,0	5,4	18,0
83140	83048	6 x 0,14	26	4,6	8,1	25,0
83141	83049	10 x 0,14	26	5,5	13,4	38,0
83142	83050	12 x 0,14	26	5,8	16,2	46,0
83143	83055	16 x 0,14	26	6,3	21,5	56,0
83144	83056	18 x 0,14	26	6,6	24,4	62,0
83145	83057	24 x 0,14	26	7,3	32,4	82,0
83146	83058	27 x 0,14	26	7,6	36,3	97,0
83147	83059	30 x 0,14	26	8,1	40,4	110,0
83153	83130	2 x 0,23	24	3,8	4,6	16,0
83154	83131	3 x 0,23	24	4,0	7,1	19,0
83155	83132	4 x 0,23	24	4,2	9,4	23,0
83156	83133	6 x 0,23	24	4,9	14,2	32,0
83157	83134	10 x 0,23	24	5,9	23,8	55,0
83158	83135	12 x 0,23	24	6,1	28,5	60,0
83159	83136	16 x 0,23	24	6,8	38,1	75,0
83160	83371	18 x 0,23	24	7,1	43,1	82,0
83161	83372	24 x 0,23	24	8,1	59,7	116,0
83162	83373	27 x 0,23	24	8,4	64,7	140,0
83163	83374	30 x 0,23	24	8,7	71,9	150,0
83169	83375	2 x 0,34	22	4,2	6,5	25,0
83170	83376	3 x 0,34	22	4,4	9,8	30,0
83171	83377	4 x 0,34	22	4,7	13,0	45,0
83172	83378	6 x 0,34	22	5,5	19,6	60,0
83173	83379	10 x 0,34	22	6,5	32,5	80,0
83174	83380	12 x 0,34	22	6,9	39,1	105,0
83175	83381	16 x 0,34	22	7,7	52,0	130,0
83176	83382	18 x 0,34	22	8,1	59,0	140,0
83177	83383	24 x 0,34	22	9,3	79,0	190,0
83178	83384	27 x 0,34	22	9,8	88,0	207,0
83179	83385	30 x 0,34	22	10,3	97,8	225,0
83185	83386	2 x 0,56	20	4,5	9,8	30,0
83186	83387	3 x 0,56	20	4,8	14,6	33,0
83187	83388	4 x 0,56	20	5,2	19,4	41,0

Part no. Sheath colour grey	Part no. Sheath colour black	No.cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
83188	83389	6 x 0,56	20	6,1	29,0	65,0
83189	83390	10 x 0,56	20	7,5	48,2	102,0
83190	83391	12 x 0,56	20	7,7	58,2	120,0
83191	83392	16 x 0,56	20	8,7	77,3	152,0
83192	83393	18 x 0,56	20	9,7	87,0	168,0
83193	83394	24 x 0,56	20	10,7	116,3	224,0
83194	83395	27 x 0,56	20	11,2	129,8	260,0
83195	83396	30 x 0,56	20	11,6	144,6	300,0
83201	83397	2 x 0,82	18	5,5	15,2	50,0
83202	83398	3 x 0,82	18	5,9	23,2	62,0
83203	83399	4 x 0,82	18	6,4	31,3	72,0
83204	83474	6 x 0,82	18	7,6	47,0	100,0
83205	83475	10 x 0,82	18	9,4	78,2	180,0
83206	83476	12 x 0,82	18	10,3	94,0	182,0
83207	83477	16 x 0,82	18	11,4	125,1	240,0
83208	83478	18 x 0,82	18	12,0	141,1	270,0
83209	83479	24 x 0,82	18	14,2	188,2	370,0
83210	83480	27 x 0,82	18	14,6	212,0	400,0
83211	83481	30 x 0,82	18	15,4	235,6	470,0
83217	83482	2 x 1,3	16	6,3	24,4	70,0
83218	83483	3 x 1,3	16	6,8	37,1	90,0
83219	83484	4 x 1,3	16	7,4	49,4	110,0
83220	83491	6 x 1,3	16	8,8	74,2	160,0
83221	83492	10 x 1,3	16	11,2	124,0	250,0
83222	83493	12 x 1,3	16	11,8	149,0	300,0
83223	83494	16 x 1,3	16	13,9	198,7	400,0
83224	83495	18 x 1,3	16	14,6	224,0	450,0
83225	83496	24 x 1,3	16	17,0	298,4	650,0
83226	83497	27 x 1,3	16	17,6	336,0	680,0
83227	83498	30 x 1,3	16	18,6	373,6	750,0

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

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