

JZ-604-YCY TC TRAY CABLE

PVC power cable, screened, open installation TC-ER, NFPA 79, 90°C, 600 V, EMC-preferred type, meter marking



HELUKABEL JZ-604 YCY TC-ER UL 1277 6 AWG / 16 QMM 4C 600V MTW 90C DRY 75C WET SUN RES DIR BUR OIL RES I OIL RES II FT4 OR AWM STYLE 2587 CSA AWM I/II A/B 90C FT4 600V LL113926 CE

Technical data

- PVC power cable, screened to UL Std. 1277 TRAY CABLE
- Multinorm**
also conforms to the following standards:
AWM-Style 2587 to UL Std. 758 and CSA-Std. C22.2 No. 210 I/II A/B
- Temperature range**
dry environment
flexing -5°C to +90°C
fixed installation -25°C to +90°C
wet environment
flexing -5°C to +75°C
fixed installation -25°C to +75°C
- Nominal voltage**
UL 600 V
- Test voltage**
3000 V
- Breakdown voltage**
min. 6000 V
- Coupling resistance**
max. 250 Ohm/km
- Minimum bending radius**
flexing 10x cable Ø
fixed installation 4x cable Ø

Cable structure

- Bare copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation of PVC class 12 B to tab. 50.155 acc. to UL Std. 1581 type THHW acc. to UL Std. 83
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal lay length
- PVC-inner sheath acc. to UL Std. 1277 tab. 11.2
- Tinned copper braided screen, approx. coverage 85%
- Outer sheath of PVC acc. to UL Std. 1277 tab. 11.2,
- Sheath colour: black (RAL 9005)
- With meter marking

Properties

- UV resistant
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Tests

- Self-extinguishing and flame retardant acc. to CSA FT4
- UL OIL RES I OIL RES II
- Class 1 Div. 2 per NEC Art. 336, 392, 501

Note

- G = with GN-YE conductor
x = without GN-YE conductor (OZ)
- AWG sizes are approximate equivalent values. The actual cross section is in mm².
- Unscreened analogue type:
JZ 604 TC TRAY CABLE

Application

USA NFPA 79 conformant flexible power cables up to 600 V, for all machinery in tool and plant construction, suitable for installation in dry, humid and damp environments, in the open and in pipes. For underground installation and for open, unprotected installation from the cable rack to machines and industrial plants.

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.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
69804	3 G 16	6	25,2	653,0	1060,0
69805	4 G 16	6	27,8	807,0	1572,0
69806	5 G 16	6	31,2	940,0	2002,0
69807	7 G 16	6	34,5	1345,0	2604,0
69808	3 G 25	4	29,0	920,0	1955,0
69809	4 G 25	4	32,4	1169,0	2218,0
69810	5 G 25	4	36,4	1420,0	2757,0
69811	7 G 25	4	40,3	1921,0	3523,0
69812	3 G 35	2	32,4	1250,0	2289,0
69813	4 G 35	2	36,2	1680,0	2926,0
69814	5 G 35	2	40,5	2020,0	3545,0

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
69815	3 G 50	1	40,4	1887,0	3379,0
69816	4 G 50	1	45,5	2370,0	4439,0
69817	5 G 50	1	50,0	2880,0	5312,0
69818	3 G 70	2/0	46,7	2516,0	4557,0
69819	4 G 70	2/0	51,1	3257,0	5632,0
69820	5 G 70	2/0	56,0	4032,0	6681,0
69821	3 G 95	3/0	50,1	3086,0	5612,0
69822	4 G 95	3/0	55,0	4060,0	6820,0
69823	5 G 95	3/0	60,5	5244,0	8172,0
69824	3 G 120	4/0	54,0	4176,0	6711,0
69825	4 G 120	4/0	59,5	5231,0	8256,0
69826	5 G 120	4/0	64,5	6624,0	10233,0

Dimensions and specifications may be changed without prior notice. (RN01)