

# JZ 604 TC TRAY CABLE

PVC power cable, 90°C, 600V



HELUKABEL JZ 604 TC (UL) 1277 #18AWG/1QMM 4 C 600V 90°C DRY 75°C WET SUN RES OIL RES I DIR BUR  
OPEN WIRING OR AWM STYLE 2587 c(UL) C1C FT4 CSA A AWM I/II A/B 90°C 600V FT4 LL 113926 CE



## Technical data

- PVC power cable to UL-standard 1277 TRAY CABLE
- **Multinorm**  
The TRAY CABLE also conforms to the following standards:  
(UL) MTW to UL-Std. 1063  
AWM-Style 2587 to UL-Std. 758  
(cUL) and CSA type TC FT4 to C22.2 no 230  
CSA C22.2 No 210.2 I/II A/B 90C 600 V FT4
- **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** to UL 600 V
- **Test voltage** 3000 V
- **Breakdown voltage** min. 6000 V
- **Insulation resistance**  
min. 20 MΩm x km
- **Minimum bending radius**  
7,5x cable Ø
- **Radiation resistance**  
up to 80x10<sup>6</sup> cJ/kg (up to 80 Mrad)

## Cable construction

- Bare copper, fine wire conductors, according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation class 12 B to table 50.155 UL-standard 1581, type TFF to UL-Std. 62 table 6.2 (AWG 20-AWG 16), type THHW to UL-Std. 83 table 5.2 (≥AWG 14)
- Black cores with continuous white numbering according to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- Special PVC outer sheath, to UL-Std. 1277 table 11.2
- Sheath colour black (RAL 9005)

## Properties

- Material self-extinguishing and flame retardant to UL-Standard 1277
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Note

- G = with green-yellow earth core;  
x = without green-yellow earth core (0Z).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

## Application

UL-approved, flexible high current cables for use up to 600 V, for all machines, tools and installation work. Suitable for use in dry, damp and wet areas, outside, in cable ducts, open cable trays. Also in pipes, in the ground and for open installation in machinery and industrial areas.

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

Part No.	No. cores x cross-sec. mm <sup>2</sup>	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
69661	2 x 1	18	8,0	19,2	74,0
69662	3 G 1	18	8,4	29,0	87,0
69663	4 G 1	18	9,1	39,0	99,0
69664	5 G 1	18	10,0	48,0	117,0
69665	7 G 1	18	11,7	67,0	151,0
69666	9 G 1	18	12,6	84,0	172,0
69667	10 G 1	18	14,3	96,0	206,0
69668	12 G 1	18	14,7	115,0	260,0
69669	18 G 1	18	17,1	173,0	371,0
69670	25 G 1	18	20,3	240,0	481,0
69671	34 G 1	18	23,7	326,0	551,0
69672	50 G 1	18	26,1	480,0	959,0
69673	2 x 1,5	16	8,4	28,8	91,0
69674	3 G 1,5	16	8,8	43,0	105,0
69675	4 G 1,5	16	9,6	58,0	122,0
69676	5 G 1,5	16	10,5	72,0	147,0
69677	7 G 1,5	16	12,3	101,0	192,0
69678	8 G 1,5	16	13,3	115,0	215,0
69679	9 G 1,5	16	13,3	130,0	261,0
69680	10 G 1,5	16	15,1	144,0	294,0
69681	12 G 1,5	16	15,6	173,0	331,0
69682	16 G 1,5	16	17,1	230,0	402,0
69683	18 G 1,5	16	18,2	259,0	430,0
69684	25 G 1,5	16	22,7	360,0	597,0
69685	34 G 1,5	16	25,3	489,0	714,0
69686	41 G 1,5	16	26,7	590,0	803,0
69687	50 G 1,5	16	27,3	720,0	1021,0
69688	61 G 1,5	16	29,4	878,0	1238,0

Part No.	No. cores x cross-sec. mm <sup>2</sup>	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
69689	2 x 2,5	14	9,4	48,0	111,0
69690	3 G 2,5	14	9,9	72,0	140,0
69691	4 G 2,5	14	10,8	96,0	161,0
69692	5 G 2,5	14	11,8	120,0	194,0
69693	7 G 2,5	14	14,7	168,0	257,0
69694	8 G 2,5	14	16,0	192,0	339,0
69695	9 G 2,5	14	16,0	216,0	341,0
69696	10 G 2,5	14	17,1	240,0	392,0
69697	12 G 2,5	14	17,7	288,0	470,0
69698	18 G 2,5	14	20,8	432,0	682,0
69699	25 G 2,5	14	25,8	600,0	891,0
69700	3 G 4	12	11,0	115,0	190,0
69701	4 G 4	12	12,0	154,0	229,0
69702	5 G 4	12	13,2	192,0	284,0
69703	7 G 4	12	16,5	269,0	394,0
69704	9 G 4	12	17,8	346,0	480,0
69705	12 G 4	12	19,9	461,0	841,0
69706	18 G 4	12	24,2	691,0	981,0
69707	3 G 6	10	12,5	173,0	290,0
69708	4 G 6	10	14,5	230,0	384,0
69709	5 G 6	10	15,8	288,0	468,0
69710	7 G 6	10	17,3	403,0	654,0
69711	3 G 10	8	16,9	288,0	511,0
69712	4 G 10	8	18,6	384,0	587,0
69713	5 G 10	8	20,4	480,0	784,0
69714	7 G 10	8	23,5	672,0	970,0

Dimensions and specifications may be changed without prior notice.

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