

JZ 604 TC TRAY CABLE PVC power cable, 90°C, 600V



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 MOhm x km
- **Minimum bending radius**
7,5x cable Ø
- **Radiation resistance**
up to 80x10⁵ 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 (OZ).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

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 ²	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	213,0
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	450,0
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 ²	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.

Continuation ▶

JZ 604 TC TRAY CABLE PVC power cable, 90°C, 600V



Part No.	No. cores x cross-sec. mm ²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
69715	3 G 16	6	21,0	461,0	651,0
69716	4 G 16	6	23,9	614,0	869,0
69717	5 G 16	6	26,3	768,0	1117,0
69718	7 G 16	6	28,8	1075,0	1364,0
69719	3 G 25	4	24,9	720,0	1090,0
69720	4 G 25	4	27,2	960,0	1421,0
69721	5 G 25	4	30,3	1200,0	1611,0
69722	7 G 25	4	33,1	1680,0	1943,0
69723	3 G 35	2	27,1	1008,0	1734,0
69724	4 G 35	2	29,8	1344,0	2011,0
69725	5 G 35	2	33,0	1680,0	2347,0
69726	3 G 50	1	33,2	1440,0	2041,0
69727	4 G 50	1	36,7	1920,0	2539,0
69728	5 G 50	1	41,5	2400,0	2894,0

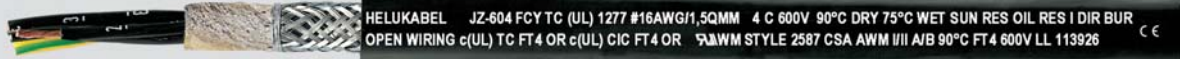
Part No.	No. cores x cross-sec. mm ²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
69729	3 G 70	2/0	37,6	2016,0	2831,0
69730	4 G 70	2/0	42,0	2688,0	3494,0
69731	5 G 70	2/0	47,6	3360,0	4260,0
69732	3 G 95	3/0	41,8	2736,0	5010,0
69733	4 G 95	3/0	47,0	3648,0	6104,0
69734	5 G 95	3/0	52,5	4560,0	7891,0
69735	3 G 120	4/0	46,0	3456,0	5940,0
69736	4 G 120	4/0	51,5	4608,0	7604,0
69737	5 G 120	4/0	56,5	5760,0	8751,0

Dimensions and specifications may be changed without prior notice.

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JZ 604-FCY TC TRAY CABLE

PVC power cable, screened, 90°C,
600V, EMC-preferred type



Technical data

- PVC power cable, screened to UL-standard 1277 TRAY CABLE
- **Multinorm** (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 90°C 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 MOhm x km
- **Minimum bending radius** 10x cable Ø
- **Radiation resistance** up to 80x10⁶ cJ/kg (up to 80 Mrad)
- **Coupling resistance** max. 250 Ohm/km

Cable construction

- Bare copper, fine wire conductors, according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Spezial 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 separation foil
- Tinned copper braided screening, approx. 85% coverage
- 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 (OZ).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.

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.

EMC = Electromagnetic compatibility

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

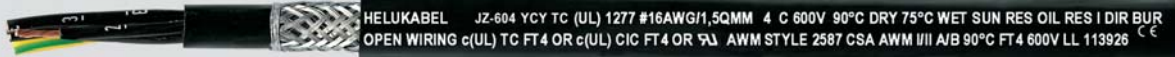
Part No.	No. cores x cross-sec. mm ²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
69750	2 x 1	18	8,6	51,2	151,0
69751	3 G 1	18	9,0	76,4	164,0
69752	4 G 1	18	9,7	102,9	200,0
69753	5 G 1	18	10,5	126,4	229,0
69754	7 G 1	18	12,2	204,8	306,0
69755	9 G 1	18	13,2	269,8	371,0
69756	10 G 1	18	15,0	304,7	411,0
69757	12 G 1	18	15,4	331,1	460,0
69758	18 G 1	18	17,8	494,7	624,0
69759	25 G 1	18	21,1	642,1	845,0
69760	34 G 1	18	24,5	807,6	984,0
69761	50 G 1	18	26,2	892,1	1096,0
69762	2 x 1,5	16	9,0	78,3	161,0
69763	3 G 1,5	16	9,4	114,2	181,0
69764	4 G 1,5	16	10,2	152,1	240,0
69765	5 G 1,5	16	11,1	189,2	274,0
69766	7 G 1,5	16	12,9	279,4	367,0
69767	8 G 1,5	16	14,5	308,6	431,0
69768	9 G 1,5	16	14,5	326,8	437,0
69769	10 G 1,5	16	15,8	401,6	511,0
69770	12 G 1,5	16	16,2	491,7	598,0
69771	16 G 1,5	16	17,9	526,1	630,0
69772	18 G 1,5	16	18,9	749,1	787,0
69773	25 G 1,5	16	22,3	1011,4	1240,0
69774	34 G 1,5	16	24,9	1214,7	1401,0
69775	41 G 1,5	16	26,7	2060,6	2671,0
69776	50 G 1,5	16	33,7	3040,8	3614,0
69777	61 G 1,5	16	36,0	3416,1	4089,0

Part No.	No. cores x cross-sec. mm ²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
69778	2 x 2,5	14	10,0	128,4	269,0
69779	3 G 2,5	14	10,5	189,5	294,0
69780	4 G 2,5	14	11,4	250,1	341,0
69781	5 G 2,5	14	12,4	314,2	420,0
69782	7 G 2,5	14	15,3	464,3	551,0
69783	8 G 2,5	14	16,5	490,9	583,0
69784	9 G 2,5	14	16,5	498,6	593,0
69785	10 G 2,5	14	17,9	511,6	631,0
69786	12 G 2,5	14	18,4	764,1	847,0
69787	18 G 2,5	14	22,4	1120,4	1336,0
69788	25 G 2,5	14	26,5	1714,0	1921,0
69789	3 G 4	12	11,6	304,2	381,0
69790	4 G 4	12	12,6	402,7	504,0
69791	5 G 4	12	14,5	514,2	692,0
69792	7 G 4	12	17,1	721,2	908,0
69793	9 G 4	12	18,4	849,3	1104,0
69794	12 G 4	12	20,5	1211,8	1497,0
69795	18 G 4	12	25,0	1714,9	2104,0
69796	3 G 6	10	13,8	457,2	623,0
69797	4 G 6	10	15,1	608,6	729,0
69798	5 G 6	10	16,4	763,9	1082,0
69799	7 G 6	10	18,0	1002,8	1414,0
69800	3 G 10	8	17,6	796,7	1108,0
69801	4 G 10	8	19,3	1029,6	1324,0
69802	5 G 10	8	22,1	1273,8	1596,0
69803	7 G 10	8	24,2	1696,2	2186,0

Dimensions and specifications may be changed without prior notice.

JZ 604-YCY TC TRAY CABLE

PVC power cable, screened, 90°C, 600V, EMC-preferred type



Technical data

- PVC power cable, screened 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 90°C 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**
10x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)
- **Coupling resistance**
max. 250 Ωm/km

Cable construction

- Bare copper, fine wire conductors, according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Spezial 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
- PVC-inner sheath, to UL-Std. 1277 table 11.2
- Tinned copper braided screening, approx. 85% coverage
- 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 (OZ).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

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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.

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 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm ²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
69804	3 G 16	6	25,2	1245,1	1385,0
69805	4 G 16	6	27,8	1655,2	1861,0
69806	5 G 16	6	31,2	2063,6	2614,0
69807	7 G 16	6	34,5	2886,5	3211,0
69808	3 G 25	4	29,0	1932,0	2455,0
69809	4 G 25	4	32,4	2561,1	2721,0
69810	5 G 25	4	34,2	3140,2	3490,0
69811	7 G 25	4	40,3	4481,7	4960,0
69812	3 G 35	2	32,4	2504,7	3130,0
69813	4 G 35	2	36,2	3320,8	4100,0
69814	5 G 35	2	40,5	4180,8	4921,0
69815	3 G 50	1	40,4	3520,1	4560,0
69816	4 G 50	1	45,5	4821,7	5761,0
69817	5 G 50	1	50,0	5820,8	7186,0

Part No.	No. cores x cross-sec. mm ²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
69818	3 G 70	2/0	47,1	5020,1	5580,0
69819	4 G 70	2/0	51,1	6620,3	7387,0
69820	5 G 70	2/0	56,0	8420,4	9290,0
69821	3 G 95	3/0	50,1	6724,3	8520,0
69822	4 G 95	3/0	55,0	9100,0	10200,0
69823	5 G 95	3/0	60,5	10940,1	13800,0
69824	3 G 120	4/0	54,0	8620,7	11090,0
69825	4 G 120	4/0	59,5	11420,0	13620,0
69826	5 G 120	4/0	64,5	12940,4	15420,0

Dimensions and specifications may be changed without prior notice.