

JZ-750 flexible, number coded, 750 V, meter marking

HELUKABEL JZ-750 25G2,5 QMM / 10880 450/750 V 001041521 CE

**Technical data**

- Special-PVC control cable adapted to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51
- **Temperature range**
flexing -15°C to +80°C
fixed installation -40°C to +80°C
- **Nominal voltage** U₀/U 450/750 V
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Insulation resistance**
min. 20 MOhm x km
- **Minimum bending radius**
flexing 7,5x cable Ø
fixed installation 4x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)

Cable structure

- Bare copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of special PVC compound type T12 to DIN VDE 0207-363-3/DIN EN 50363-3
- 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
- Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Sheath colour grey (RAL 7001)
- with meter marking

Properties

- Extensively oil resistant, oil-/chemical resistance see table Technical Informations
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Note

- G = with green-yellow conductor
x = without green-yellow conductor (OZ)
- Cleanroom qualification tested with analog type. Please note "cleanroom qualified" when ordering.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

These cables are used for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air, wherever internationally recognized PVC cables are required. E. g. as a control or measurements cable on industrial machinery, on conveyor systems or in industrial plants, etc. The number coding has been brought onto the cores in such a way that it is easily identifiable and the core numbers are individually underlined to avoid confusion. The green-yellow earth core is laid in the outer layer.

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

Part no.	No.cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
10800	2 x 0,5	5,7	9,6	48,0	20
10801	3 G 0,5	6,0	14,5	65,0	20
10802	4 G 0,5	6,8	20,0	81,0	20
10803	5 G 0,5	7,4	24,0	98,0	20
10804	7 G 0,5	8,3	34,0	123,0	20
10805	8 G 0,5	9,1	38,0	155,0	20
10806	10 G 0,5	10,0	48,0	180,0	20
10807	12 G 0,5	10,8	58,0	208,0	20
10808	14 G 0,5	11,7	67,0	248,0	20
10809	16 G 0,5	12,5	76,0	260,0	20
10810	18 G 0,5	13,2	87,0	285,0	20
10811	21 G 0,5	13,8	96,0	375,0	20
10812	25 G 0,5	15,5	118,0	400,0	20
10813	30 G 0,5	16,6	144,0	475,0	20
10814	40 G 0,5	18,7	192,0	590,0	20
10815	50 G 0,5	21,5	240,0	710,0	20
10816	61 G 0,5	23,0	293,0	880,0	20
10817	2 x 0,75	6,2	15,0	60,0	19
10818	3 G 0,75	6,5	22,0	78,0	19
10819	4 G 0,75	7,3	29,0	104,0	19
10820	5 G 0,75	8,0	36,0	116,0	19
10821	7 G 0,75	8,9	51,0	148,0	19
10822	8 G 0,75	9,6	58,0	160,0	19
10823	10 G 0,75	10,7	72,0	195,0	19
10824	12 G 0,75	11,6	87,0	248,0	19
10825	15 G 0,75	13,2	108,0	295,0	19
10826	18 G 0,75	14,1	130,0	346,0	19
10827	21 G 0,75	14,8	151,0	395,0	19
10828	25 G 0,75	16,6	180,0	505,0	19
10829	34 G 0,75	19,3	245,0	684,0	19
10830	41 G 0,75	20,9	296,0	780,0	19
10831	50 G 0,75	22,9	360,0	940,0	19
10832	61 G 0,75	24,5	440,0	1125,0	19
10833	2 x 1	6,6	20,0	80,0	18

Part no.	No.cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
10834	3 G 1	7,0	29,0	92,0	18
10835	3 x 1	7,0	29,0	92,0	18
10836	4 G 1	7,8	39,0	122,0	18
10837	4 x 1	7,8	39,0	122,0	18
10838	5 G 1	8,6	48,0	137,0	18
10839	7 G 1	9,5	68,0	186,0	18
10840	7 x 1	9,5	68,0	186,0	18
10841	8 G 1	10,3	77,0	240,0	18
10842	12 G 1	12,7	116,0	293,0	18
10843	14 G 1	13,4	134,0	340,0	18
10844	16 G 1	14,4	154,0	400,0	18
10845	18 G 1	15,1	173,0	437,0	18
10846	21 G 1	16,1	205,0	505,0	18
10847	25 G 1	18,0	240,0	606,0	18
10848	34 G 1	20,9	326,0	770,0	18
10849	41 G 1	22,6	394,0	880,0	18
10850	50 G 1	24,8	480,0	1400,0	18
10851	61 G 1	26,5	586,0	1450,0	18
10852	2 x 1,5	7,2	29,0	90,0	16
10853	3 G 1,5	7,8	43,0	120,0	16
10854	3 x 1,5	7,8	43,0	120,0	16
10855	4 G 1,5	8,5	58,0	150,0	16
10856	4 x 1,5	8,5	58,0	155,0	16
10857	5 G 1,5	9,6	72,0	177,0	16
10858	7 G 1,5	10,4	101,0	220,0	16
10859	8 G 1,5	11,4	115,0	248,0	16
10860	9 G 1,5	12,5	130,0	278,0	16
10861	12 G 1,5	14,1	173,0	364,0	16
10862	14 G 1,5	14,9	202,0	390,0	16
10863	16 G 1,5	16,0	230,0	490,0	16
10864	18 G 1,5	17,0	259,0	550,0	16
10865	21 G 1,5	18,0	302,0	670,0	16
10866	25 G 1,5	20,2	360,0	745,0	16
10867	32 G 1,5	22,6	461,0	810,0	16

Continuation ▶

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Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
10868	34 G 1,5	23,4	490,0	1010,0	16
10869	42 G 1,5	25,5	605,0	1115,0	16
10870	50 G 1,5	27,9	720,0	1430,0	16
10871	61 G 1,5	30,0	878,0	1750,0	16
10872	2 x 2,5	8,6	48,0	110,0	14
10873	3 G 2,5	9,3	72,0	190,0	14
10874	4 G 2,5	10,2	96,0	240,0	14
10875	5 G 2,5	11,4	120,0	270,0	14

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
10876	7 G 2,5	12,6	168,0	350,0	14
10877	12 G 2,5	16,9	288,0	600,0	14
10878	14 G 2,5	18,2	336,0	870,0	14
10879	18 G 2,5	20,4	432,0	1050,0	14
10880	25 G 2,5	24,4	600,0	1170,0	14

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Dimensions and specifications may be changed without prior notice. (RA01)



Suitable accessories can be found in Chapter X.

- Cable Gland - HELUTOP® HT-PA
- Cable Gland - HELUTOP® HT-MS