

KOMPOFLEX® JZ-500-C

halogen-free, microbes resistant, Cu-screened,
EMC-preferred type, meter marking



A



HELUKABEL KOMPOFLEX JZ-500-C 4G1 QMM / 26247 300/500 V 001042069 CE



Technical data

- Screened microbes resistant, halogen-free special control cable in adapted to DIN VDE 0281 part 13
- **Temperature range**
flexing -30 °C to +90 °C
fixed installation -40 °C to +100 °C
- **Nominal voltage** U₀/U 300/500 V
- **Test voltage**
core/core 4000 V
core/screen 2000 V
- **Insulation resistance**
min. 20 MOhm x km
- **Minimum bending radius**
flexing 7,5x cable ø
fixed installation 4x cable ø
- **Coupling resistance**
max. 250 Ohm/km
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable structure

- Tinned copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special thermoplastic polymer core insulation
- 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
- Inner-sheath to special thermoplastic polymer
- Screen of tinned cu braid, coverage approx. 85%
- Outer sheath, special thermoplastic polymer
- Colour black (RAL 9005)
- with meter marking, change-over in 2011

Properties

- **Resistant to**
UV-radiation, Oxygene, Ozone, Microbes, Hydrofluoric acid, Hydrochloric acid and diluted sulfuric acid
- Low adhesion
- 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.
- **unscreened analogue type:**
KOMPOFLEX® JZ-500, see page A 87

Application

Extremely robust universal cable.

This cable is specially installed in rubbish, sewage-treatment plants, composting works, animal stalls and greenhouses. The inner sheaths of those cables raise the mechanical stress. Suitable for installation for flexible use for medium mechanical, stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms as well as outside. The high flexibility of this cable type makes it quick and easy to install.

This screened cable is ideal for use in data signal transmission free from interferences for measurement and control engineering technology.

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 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.
26217	2 x 0,5	6,9	41,0	68,0	20
26218	3 G 0,5	7,2	45,0	84,0	20
26219	4 G 0,5	7,8	54,0	95,0	20
26220	5 G 0,5	8,3	66,0	107,0	20
26221	7 G 0,5	9,5	79,0	135,0	20
26222	12 G 0,5	11,3	137,0	195,0	20
26223	18 G 0,5	13,1	156,0	278,0	20
26224	20 G 0,5	13,8	173,0	310,0	20
26225	25 G 0,5	15,7	250,0	406,0	20
26226	30 G 0,5	16,0	297,0	520,0	20
26227	34 G 0,5	17,4	316,0	571,0	20
26228	42 G 0,5	18,9	360,0	651,0	20
26229	50 G 0,5	20,9	407,0	760,0	20
26230	61 G 0,5	22,9	520,0	911,0	20
26231	2 x 0,75	7,6	46,0	88,0	18
26232	3 G 0,75	7,8	57,0	98,0	18
26233	4 G 0,75	8,3	63,0	112,0	18
26234	5 G 0,75	9,1	76,0	130,0	18
26235	7 G 0,75	10,4	100,0	185,0	18
26236	12 G 0,75	12,5	175,0	294,0	18
26237	18 G 0,75	14,3	240,0	357,0	18
26238	20 G 0,75	15,2	262,0	404,0	18
26239	25 G 0,75	17,6	306,0	510,0	18
26240	30 G 0,75	18,1	340,0	561,0	18
26241	34 G 0,75	19,5	346,0	670,0	18
26242	42 G 0,75	20,9	410,0	960,0	18
26243	50 G 0,75	23,2	470,0	1104,0	18
26244	61 G 0,75	25,0	550,0	1270,0	18

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
26245	2 x 1	7,9	54,0	98,0	17
26246	3 G 1	8,2	64,0	102,0	17
26247	4 G 1	8,9	76,0	145,0	17
26248	5 G 1	9,5	89,0	171,0	17
26249	7 G 1	11,0	114,0	210,0	17
26250	12 G 1	13,1	186,0	330,0	17
26251	18 G 1	15,4	284,0	488,0	17
26252	20 G 1	16,0	325,0	545,0	17
26253	25 G 1	18,3	387,0	690,0	17
26254	30 G 1	18,8	457,0	770,0	17
26255	34 G 1	20,3	500,0	811,0	17
26256	42 G 1	21,8	590,0	996,0	17
26257	50 G 1	24,0	681,0	1320,0	17
26258	61 G 1	26,2	710,0	1480,0	17
26259	2 x 1,5	8,4	64,0	130,0	16
26260	3 G 1,5	9,0	82,0	154,0	16
26261	4 G 1,5	9,6	99,0	165,0	16
26262	5 G 1,5	10,5	123,0	197,0	16
26263	7 G 1,5	12,1	148,0	305,0	16
26264	12 G 1,5	14,9	274,0	435,0	16
26265	18 G 1,5	17,1	386,0	642,0	16
26266	20 G 1,5	18,0	401,0	718,0	16
26267	25 G 1,5	20,7	531,0	803,0	16
26268	30 G 1,5	21,1	598,0	961,0	16
26269	34 G 1,5	22,7	671,0	1060,0	16
26270	42 G 1,5	24,4	890,0	1300,0	16
26271	50 G 1,5	26,8	997,0	1677,0	16
26272	61 G 1,5	29,6	1120,0	1971,0	16

Continuation ▶

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Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
26273	2 x 2,5	10,0	110,0	180,0	14
26274	3 G 2,5	10,7	148,0	215,0	14
26275	4 G 2,5	11,4	169,0	268,0	14
26276	5 G 2,5	12,5	220,0	349,0	14
26277	7 G 2,5	15,0	284,0	404,0	14
26278	12 G 2,5	18,0	470,0	710,0	14
26279	18 G 2,5	21,2	572,0	891,0	14
26280	25 G 2,5	25,5	740,0	1104,0	14
26281	2 x 4	11,6	124,0	300,0	12
26282	3 G 4	12,3	178,0	340,0	12
26283	4 G 4	13,4	234,0	408,0	12
26284	5 G 4	14,8	284,0	504,0	12
26285	7 G 4	16,2	321,0	640,0	12
26286	12 G 4	21,8	581,0	894,0	12
26287	2 x 6	13,5	176,0	391,0	10
26288	3 G 6	14,2	245,0	453,0	10
26289	4 G 6	15,6	316,0	560,0	10
26290	5 G 6	17,0	442,0	680,0	10
26291	7 G 6	18,7	530,0	891,0	10

Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
26292	3 G 10	17,8	367,0	730,0	8
26293	4 G 10	19,7	549,0	1004,0	8
26294	5 G 10	21,6	604,0	1170,0	8
26295	7 G 10	24,0	820,0	1405,0	8
26296	3 G 16	20,7	653,0	894,0	6
26297	4 G 16	22,6	807,0	1311,0	6
26298	5 G 16	25,2	940,0	1550,0	6
26299	7 G 16	27,6	1345,0	1820,0	6
26300	3 G 25	26,0	920,0	1430,0	4
26301	4 G 25	28,9	1169,0	1894,0	4
26302	5 G 25	31,8	1420,0	2272,0	4
26303	4 G 35	33,4	1680,0	2310,0	2
26304	5 G 35	37,2	2020,0	2740,0	2
26305	4 G 50	38,2	2370,0	3270,0	1
26306	5 G 50	43,0	2880,0	4080,0	1

Dimensions and specifications may be changed without prior notice. (RA05)

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