

# KOMPOFLEX® JZ-500-C halogen-free, microbes resistant, Cu-screened, EMC-preferred type, meter marking

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## Technical data

- Screened microbes resistant, halogen-free special control cable in adapted to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51
- **Temperature range**  
flexing -30°C to +90°C  
fixed installation -40°C to +100°C
- **Nominal voltage**  $U_0/U$  300/500 V
- **Test voltage**  
core/core 4000 V  
core/screen 2000 V
- **Insulation resistance**  
min. 20 MOhm x km
- **Coupling resistance**  
max. 250 Ohm/km
- **Minimum bending radius**  
flexing 7,5x cable  $\varnothing$   
fixed installation 4x cable  $\varnothing$
- **Radiation resistance**  
up to  $100 \times 10^6$  cJ/kg (up to 100 Mrad)

## Cable structure

- Tinned copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of special thermoplastic polymer
- 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
- Inner sheath of special thermoplastic polymer
- Tinned copper braided screen, approx. 85% coverage
- Core wrapping of fleece guarantees easy cable stripping
- Outer sheath of special thermoplastic polymer
- Sheath colour black (RAL 9005)
- with meter marking

## 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 conductor  
x = without green-yellow conductor (OZ)
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- unscreened analogue type:  
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## 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 optimize 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 <sup>2</sup>	Outer $\varnothing$ approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.	Part no.	No.cores x cross-sec. mm <sup>2</sup>	Outer $\varnothing$ approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
26217	2 x 0,5	6,9	41,0	68,0	20	26245	2 x 1,5	7,9	54,0	98,0	18
26218	3 G 0,5	7,2	45,0	84,0	20	26246	3 G 1	8,2	64,0	102,0	18
26219	4 G 0,5	7,8	54,0	95,0	20	26247	4 G 1	8,9	76,0	145,0	18
26220	5 G 0,5	8,3	66,0	107,0	20	26248	5 G 1	9,5	89,0	171,0	18
26221	7 G 0,5	9,5	79,0	135,0	20	26249	7 G 1	11,0	114,0	210,0	18
26222	12 G 0,5	11,3	137,0	195,0	20	26250	12 G 1	13,1	186,0	330,0	18
26223	18 G 0,5	13,1	156,0	278,0	20	26251	18 G 1	15,4	284,0	488,0	18
26224	20 G 0,5	13,8	173,0	310,0	20	26252	20 G 1	16,0	325,0	545,0	18
26225	25 G 0,5	15,7	250,0	406,0	20	26253	25 G 1	18,3	387,0	690,0	18
26226	30 G 0,5	16,0	297,0	520,0	20	26254	30 G 1	18,8	457,0	770,0	18
26227	34 G 0,5	17,4	316,0	571,0	20	26255	34 G 1	20,3	500,0	811,0	18
26228	42 G 0,5	18,9	360,0	651,0	20	26256	42 G 1	21,8	590,0	996,0	18
26229	50 G 0,5	20,9	407,0	760,0	20	26257	50 G 1	24,0	681,0	1320,0	18
26230	61 G 0,5	22,9	520,0	911,0	20	26258	61 G 1	26,2	710,0	1480,0	18
26231	2 x 0,75	7,6	46,0	88,0	19	26259	2 x 1,5	8,4	64,0	130,0	16
26232	3 G 0,75	7,8	57,0	98,0	19	26260	3 G 1,5	9,0	82,0	154,0	16
26233	4 G 0,75	8,3	63,0	112,0	19	26261	4 G 1,5	9,6	99,0	165,0	16
26234	5 G 0,75	9,1	76,0	130,0	19	26262	5 G 1,5	10,5	123,0	197,0	16
26235	7 G 0,75	10,4	100,0	185,0	19	26263	7 G 1,5	12,1	148,0	305,0	16
26236	12 G 0,75	12,5	175,0	294,0	19	26264	12 G 1,5	14,9	274,0	435,0	16
26237	18 G 0,75	14,3	240,0	357,0	19	26265	18 G 1,5	17,1	386,0	642,0	16
26238	20 G 0,75	15,2	262,0	404,0	19	26266	20 G 1,5	18,0	401,0	718,0	16
26239	25 G 0,75	17,6	306,0	510,0	19	26267	25 G 1,5	20,7	531,0	803,0	16
26240	30 G 0,75	18,1	340,0	561,0	19	26268	30 G 1,5	21,1	598,0	961,0	16
26241	34 G 0,75	19,5	346,0	670,0	19	26269	34 G 1,5	22,7	671,0	1060,0	16
26242	42 G 0,75	20,9	410,0	960,0	19	26270	42 G 1,5	24,4	890,0	1300,0	16
26243	50 G 0,75	23,2	470,0	1104,0	19	26271	50 G 1,5	26,8	997,0	1677,0	16
26244	61 G 0,75	25,0	550,0	1270,0	19	26272	61 G 1,5	29,6	1120,0	1971,0	16

Continuation ▶

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Part no.	No.cores x cross-sec. mm <sup>2</sup>	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. mm <sup>2</sup>	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)