KOMPOFLEX® JZ-500 / KOMPOFLEX® OZ-500

microbe resistant, low adhesion

TECHNICAL DATA

Control and connection cable in alignment with DIN VDE 0285-525-2-51 / DIN EN 50525-2-51

Temperature range	flexible -30°C to +90°C fixed -40°C to +100°C
Nominal voltage	AC U_0/U 300/500 V
Test voltage core/core	3000 V
Minimum bending radius	flexible 7.5x Outer-Ø fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper wire tinned, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: special thermoplastic polymer
- Core identification acc. to DIN VDE 0293-334, black cores with consecutive labeling in white digits
- Protective conductor: starting with 3 cores, G = with protective conductor GN-YE, in the outer layer, x = without protective conductor (OZ)
- Cores stranded in layers with optimal lay lengths
- Outer sheath: special thermoplastic polymer
- Sheath colour: black (RAL 9005)
- Length marking: in metres

PROPERTIES

- resistant to: UV radiation, ozone, oxygen, microbes, hydrochloric acid, diluted sulphuric acid, hydrofluoric acid, vegetable, animal, mineral & synthetic oils, greases, waxes, cold & warm water, cleaning agents dissolved in water
- largely resistant to: organic greases, liquid fertilisers, hydraulic oil
- low adhesion
- suitable for steam cleaning
- for outdoor use
- halogen-free
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- UV-resistant acc. to DIN EN ISO 4892-2
- weather-resistant acc. to DIN EN ISO 4892-2
- certifications and approvals: EAC

APPLICATION

Robust, versatile cable; for use in waste recycling and composting plants, sewage treatment plants, car washes, laundries, in the chemical industry, in the food and beverage industry as well as breweries, animal stables and greenhouses. For applications involving medium mechanical stress and free movement without tensile stress and without forced movement guidance in dry, damp and wet rooms and outdoors.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
26125	2 x 0.5	20	4.8	9.6	41.0
26126	3 G 0.5	20	5.1	14.4	50.0
26127	4 G 0.5	20	5.7	19.0	61.0
26128	5 G 0.5	20	6.2	24.0	72.0
26129	7 G 0.5	20	7.4	33.6	86.0
26130	12 G 0.5	20	9.1	58.0	130.0
26131	18 G 0.5	20	10.7	86.0	198.0
26132	20 G 0.5	20	11.2	96.0	211.0
26133	25 G 0.5	20	13.0	120.0	260.0
26135	34 G 0.5	20	14.5	163.0	361.0
26136	42 G 0.5	20	15.8	202.0	405.0
26137	50 G 0.5	20	17.3	240.0	541.0
26138	61 G 0.5	20	19.4	293.0	670.0
26139	2 x 0.75	19	5.2	14.4	42.0
26140	3 G 0.75	19	5.5	21.6	49.0
26141	4 G 0.75	19	6.2	29.0	60.0
26142	5 G 0.75	19	6.8	36.0	71.0
26143	7 G 0.75	19	8.1	50.0	88.0
26144	12 G 0.75	19	9.9	86.0	161.0
26145	18 G 0.75	19	11.9	130.0	250.0
26146	20 G 0.75	19	12.6	144.0	266.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
26147	25 G 0.75	19	14.5	180.0	273.0
26149	34 G 0.75	19	16.4	245.0	501.0
26150	42 G 0.75	19	17.6	302.0	591.0
26151	50 G 0.75	19	19.8	360.0	712.0
26152	61 G 0.75	19	20.9	439.0	820.0
26153	2 x 1	18	5.5	19.0	48.0
26154	3 G 1	18	6.0	29.0	56.0
26155	4 G 1	18	6.6	38.0	70.0
26156	5 G 1	18	7.2	48.0	81.0
26157	7 G 1	18	8.6	67.0	109.0
26158	12 G 1	18	10.7	115.0	191.0
26159	18 G 1	18	12.7	173.0	274.0
26160	20 G 1	18	13.5	192.0	314.0
26162	30 G 1	18	16.0	288.0	492.0
26163	34 G 1	18	17.4	326.0	640.0
26164	42 G 1	18	18.9	403.0	804.0
26165	50 G 1	18	21.0	480.0	932.0
26166	61 G 1	18	22.2	586.0	1102.0
26167	2 x 1.5	16	6.3	29.0	60.0
26168	3 G 1.5	16	6.7	43.0	79.0
26169	4 G 1.5	16	7.3	58.0	98.0

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Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
26170	5 G 1.5	16	8.2	72.0	112.0
26171	7 G 1.5	16	9.8	101.0	159.0
26172	12 G 1.5	16	12.1	173.0	280.0
26173	18 G 1.5	16	14.5	259.0	420.0
26174	20 G 1.5	16	15.2	288.0	480.0
26175	25 G 1.5	16	17.8	360.0	604.0
26176	34 G 1.5	16	19.8	490.0	812.0
26177	42 G 1.5	16	21.4	605.0	1002.0
26178	50 G 1.5	16	23.7	720.0	1240.0
26179	61 G 1.5	16	25.3	878.0	1421.0
26180	2 x 2.5	14	7.6	48.0	99.0
26181	3 G 2.5	14	8.3	72.0	136.0
26182	4 G 2.5	14	9.1	96.0	170.0
26183	5 G 2.5	14	10.2	120.0	204.0
26184	7 G 2.5	14	12.1	168.0	281.0
26185	12 G 2.5	14	15.2	288.0	487.0
26186	18 G 2.5	14	18.1	432.0	704.0
26187	25 G 2.5	14	22.2	600.0	909.0
26189	3 G 4	12	9.9	115.0	224.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
26190	4 G 4	12	11.0	154.0	289.0
26191	5 G 4	12	12.1	192.0	357.0
26192	7 G 4	12	13.3	269.0	451.0
26193	12 G 4	12	18.3	461.0	782.0
26195	3 G 6	10	11.7	173.0	345.0
26196	4 G 6	10	13.0	230.0	417.0
26197	5 G 6	10	14.5	288.0	521.0
26198	7 G 6	10	16.0	403.0	622.0
26199	3 G 10	8	15.0	288.0	537.0
26200	4 G 10	8	16.8	384.0	699.0
26201	5 G 10	8	18.7	480.0	851.0
26202	7 G 10	8	20.6	672.0	1102.0
26204	4 G 16	6	19.7	614.0	1028.0
26206	7 G 16	6	24.4	1075.0	1772.0
26208	4 G 25	4	25.2	960.0	1577.0
26212	4 G 35	2	29.0	1344.0	2097.0
26215	4 G 50	1	33.4	1920.0	2914.0
26216	5 G 50	1	37.2	2400.0	3919.0

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