



kabeltec FLEX-JZ 600

Voltage : 0.6/1 KV

Temp. : 80 °C

Application

FLEX-JZ 600 is used in wiring for measuring and controlling purposes in steel mills, rolling mills, conveyor belts and production lines, tool machinery, air conditioning and for plant installations. It is suitable for installation in medium mechanical stress areas with free movement without tensile stress or forced movements. It can be installed in dry, moist and wet environments as well as outdoors (fixed installation). It is not suitable for burial underground or submersion in water. The cores are numbered in such a way that the numbers are easily identifiable. The core numbers have been underlined to avoid confusion and the earth core is located on the outer layer. The black PVC outer sheath has ultra violet resistance.

Cable Construction

- Fine strand of bare copper conductors according to DIN VDE 0295 class 5 and IEC 60228
- PVC insulation TI2, to DIN VDE 0281 part 1
- Black cores with white figure imprints to DIN VDE 0293
- Green-yellow earth core in the outer layer
- Cores stranded in layers
- Separating foil
- PVC outer sheath, TM2 to DIN VDE 0281 part 1, colour black
- Oil & chemical resistance
- PVC self-extinguishing and flame retardant, test method B according to VDE 0472 part 804 and IEC 60332-1

Technical Data

Standard : According to DIN VDE 0262/12.95 and DIN VDE 0281 part 13, insulation thickness for 1KV type

Nominal voltage : U₀/U 0.6/1 KV

Temperature range : Flexing : - 5°C to + 80°C
Fixed laying : - 40°C to + 80°C

Testing voltage : 3.5 KV, 50 Hz

Spark test : 6 KV

Power rating : As per DIN VDE 0298

Insulation resistance : Min. 20 MOhm x km

Min. bending radius : 7.5 x cable diameter

* Type OZ : Without earth core (G/Y)

Item No.	No. Of Core x Section mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
101001	OZ 2 x 0.5	6.5	9.6	76
101002	3 x 0.5	6.9	14.4	88
101003	4 x 0.5	7.7	19.0	100
101004	5 x 0.5	8.1	24.0	117
101005	6 x 0.5	9.0	29.0	126
101006	7 x 0.5	9.9	33.6	138
101007	8 x 0.5	10.8	38.0	150
101008	10 x 0.5	11.5	48.0	176
101009	12 x 0.5	12.1	58.0	200
101010	14 x 0.5	12.9	67.0	230
101011	16 x 0.5	13.6	76.0	250
101012	18 x 0.5	14.5	86.0	276
101013	20 x 0.5	15.2	96.0	293
101014	21 x 0.5	15.9	96.0	305
101015	25 x 0.5	17.3	120.0	335
101016	30 x 0.5	17.9	144.0	348
101017	32 x 0.5	19.0	154.0	355

Item No.	No. Of Core x Section mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
101018	34 x 0.5	19.9	163.0	520
101019	40 x 0.5	21.1	192.0	590
101020	42 x 0.5	21.3	202.0	595
101021	50 x 0.5	23.3	240.0	715
101022	52 x 0.5	24.2	252.0	740
101023	61 x 0.5	26.1	293.0	840
101024	65 x 0.5	26.7	312.0	880
101025	80 x 0.5	29.0	384.0	960
101026	100 x 0.5	33.4	480.0	1050
101027	OZ 2 x 0.75	6.7	14.4	96
101028	3 x 0.75	7.3	21.6	108
101029	4 x 0.75	7.9	29.0	126
101030	5 x 0.75	8.9	36.0	140
101031	6 x 0.75	9.6	43.0	170
101032	7 x 0.75	10.8	50.0	190
101033	8 x 0.75	11.6	58.0	212

Item No.	No. Of Core x Section mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
101034	9 x 0.75	12.6	65.0	227
101035	10 x 0.75	12.8	72.0	238
101036	12 x 0.75	13.2	86.0	257
101037	14 x 0.75	14.0	101.0	286
101038	15 x 0.75	14.8	108.0	319
101039	18 x 0.75	15.7	130.0	362
101040	20 x 0.75	16.5	144.0	394
101041	21 x 0.75	17.2	151.0	422
101042	25 x 0.75	19.0	180.0	486
101043	32 x 0.75	20.6	230.0	595
101044	34 x 0.75	21.4	245.0	638
101045	37 x 0.75	21.9	260.0	696
101046	40 x 0.75	23.3	288.0	726
101047	41 x 0.75	23.5	296.0	750
101048	42 x 0.75	23.9	302.0	770
101049	50 x 0.75	25.7	360.0	895
101050	61 x 0.75	28.3	439.0	1070
101051	65 x 0.75	29.1	468.0	1110
101052	80 x 0.75	31.5	576.0	1500
101053	100 x 0.75	36.3	720.0	1889
101054	OZ 2 x 1	7.5	19.2	80
101055	3 x 1	8.1	29.0	90
101056	4 x 1	8.9	38.4	100
101057	5 x 1	9.9	48.0	130
101058	6 x 1	10.9	58.0	150
101059	7 x 1	11.8	67.0	170
101060	8 x 1	12.9	77.0	230
101061	9 x 1	14.0	86.0	250
101062	10 x 1	14.2	96.0	270
101063	12 x 1	14.6	115.0	290
101064	14 x 1	15.6	134.0	320
101065	16 x 1	16.4	154.0	360
101066	18 x 1	17.2	173.0	405
101067	20 x 1	18.5	192.0	450
101068	21 x 1	19.5	205.0	510
101069	24 x 1	20.2	236.0	550
101070	25 x 1	21.0	240.0	570
101071	26 x 1	21.5	252.0	590
101072	30 x 1	22.1	308.0	650
101073	34 x 1	24.1	326.0	750
101074	36 x 1	25.0	346.0	790
101075	40 x 1	26.0	384.0	850
101076	41 x 1	26.3	394.0	890
101077	42 x 1	26.6	403.0	900
101078	50 x 1	28.4	480.0	1100
101079	56 x 1	29.2	538.0	1190
101080	61 x 1	31.5	586.0	1266
101081	65 x 1	32.4	628.0	1560
101082	80 x 1	34.9	786.0	1810
101083	100 x 1	40.0	960.0	1950
101084	OZ 2 x 1.5	8.5	29.0	95
101085	3 x 1.5	9.2	43.0	110
101086	4 x 1.5	10.0	58.0	141
101087	5 x 1.5	11.1	72.0	170
101088	6 x 1.5	12.2	86.0	190
101089	7 x 1.5	13.4	101.0	225
101090	8 x 1.5	14.6	115.0	250
101091	9 x 1.5	15.6	130.0	280
101092	10 x 1.5	16.0	144.0	300
101093	11 x 1.5	16.5	158.0	330
101094	12 x 1.5	16.8	173.0	370
101095	14 x 1.5	17.5	202.0	400
101096	16 x 1.5	18.6	230.0	450
101097	18 x 1.5	19.8	259.0	520
101098	19 x 1.5	21.0	279.0	550
101099	20 x 1.5	21.2	288.0	600
1010100	21 x 1.5	23.0	302.0	600
1010101	25 x 1.5	24.0	360.0	730
1010102	32 x 1.5	25.9	461.0	880

Item No.	No. Of Core x Section mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
1010103	34 x 1.5	27.1	490.0	950
1010104	40 x 1.5	29.4	576.0	990
1010105	42 x 1.5	29.7	605.0	1120
1010106	50 x 1.5	32.6	720.0	1400
1010107	56 x 1.5	33.4	806.0	1530
1010108	61 x 1.5	35.6	878.0	1700
1010109	65 x 1.5	36.7	936.0	1900
1010110	80 x 1.5	40.0	1152.0	2300
1010111	100 x 1.5	45.5	1440.0	2700
1010112	OZ 2 x 2.5	9.5	48.0	160
1010113	3 x 2.5	10.0	72.0	175
1010114	4 x 2.5	11.2	96.0	203
1010115	5 x 2.5	12.5	120.0	251
1010116	7 x 2.5	15.1	168.0	330
1010117	8 x 2.5	16.0	192.0	400
1010118	12 x 2.5	18.5	288.0	553
1010119	14 x 2.5	19.5	336.0	630
1010120	18 x 2.5	22.1	432.0	795
1010121	21 x 2.5	24.5	504.0	930
1010122	25 x 2.5	27.0	600.0	1110
1010123	34 x 2.5	30.5	816.0	1450
1010124	42 x 2.5	33.1	1008.0	1750
1010125	50 x 2.5	36.1	1200.0	2100
1010126	61 x 2.5	40.0	1464.0	2540
1010127	100 x 2.5	49.2	2400.0	3850
1010128	OZ 2 x 4	11.5	77.0	180
1010129	3 x 4	12.2	115.0	230
1010130	4 x 4	13.9	154.0	310
1010131	5 x 4	15.3	192.0	410
1010132	7 x 4	16.9	269.0	540
1010133	8 x 4	21.0	307.0	710
1010134	12 x 4	23.0	461.0	860
1010135	3 x 6	14.5	173.0	370
1010136	4 x 6	15.5	230.0	430
1010137	5 x 6	17.1	288.0	650
1010138	7 x 6	19.4	403.0	860
1010139	3 x 10	16.5	288.0	660
1010140	4 x 10	18.5	384.0	792
1010141	5 x 10	20.6	480.0	960
1010142	7 x 10	23.5	672.0	1300
1010143	3 x 16	19.0	461.0	700
1010144	4 x 16	21.1	614.0	1100
1010145	5 x 16	23.5	768.0	1600
1010146	7 x 16	25.9	1075.0	1890
1010147	3 x 25	24.2	720.0	1450
1010148	4 x 25	27.0	960.0	1600
1010149	5 x 25	29.2	1200.0	2050
1010150	7 x 25	32.5	1680.0	2900
1010151	3 x 35	26.0	1008.0	1900
1010152	4 x 35	29.5	1344.0	2400
1010153	5 x 35	32.9	1680.0	2900
1010154	3 x 50	30.6	144.0	2700
1010155	4 x 50	34.1	1920.0	3400
1010156	5 x 50	38.2	2400.0	4361
1010157	3 x 70	36.5	2016.0	3300
1010158	4 x 70	41.2	2688.0	4400
1010159	5 x 70	45.5	3360.0	5807
1010160	3 x 95	41.0	2736.0	5050
1010161	4 x 95	46.3	3648.0	6010
1010162	5 x 95	50.8	4560.0	7752
1010163	4 x 120	50.6	4608.0	7500
1010164	4 x 150	57.5	5760.0	8640
1010165	4 x 185	64.4	7104.0	10380