kabeltec
A Cable Technologies Company

PVC-FLAT

Voltage	:	≤ 1.0 mm²	: 300 / 500 V
	:	≥ 1.5 mm²	: 450 / 750 V
Temp	:		70 °C

Application

PVC-Flat is suitable for trailing cable for festoon system of crane installations, shelf control units and for floor conveyor systems. The flat design is enable this cable to achieve extremely small bending radius with high flexibility and minimum waste of space.

Cable Construction

- Strands of bare copper conductors according to DIN VDE 0295 class 5 and IEC 60228
- PVC Insulation
- Core identification
- Cores in colour code accordance to DIN VDE 0293 up to 5 cores
- Black cores with consecutive white numbering for 7 cores and above
- Green-yellow earth core in the outer layer
- PVC outersheath, 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 0281 part 403		
Nominal voltage	:	≤ 1.0 mm²	:	Uo/U 300/500 V
		≥ 1.5 mm²	:	Uo/U 450/750 V
Temperature range	:	Flexing	:	– 5°C to + 70°C
		Fixed laying	:	– 40°C to + 80°C
Testing voltage	:	3 KV, 50 Hz		
Min. bending radius	:	10 x cable diameter		

Item No.	No. Of Core x Section mm²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
139001	4 x 0.75	4.3 x 12.5	28.8	90
139002	5 x 0.75	4.3 x 16.0	36.0	115
139003	6 x 0.75	4.3 x 19.5	43.2	141
139004	9 x 0.75	4.3 x 26.5	64.8	198
139005	10 x 0.75	4.3 x 30.0	72.0	224
139006	12 x 0.75	4.3 x 33.7	84.4	258
139007	16 x 0.75	4.3 x 44.5	115.2	340
139008	18 x 0.75	4.3 x 49.3	129.6	380
139009	20 x 0.75	4.3 x 55.1	144.0	424
139010	24 x 0.75	4.3 x 65.4	172.8	509
139011	3 x 1	4.5 x 10.7	28.8	80
139012	4 x 1	4.5 x 13.5	38.4	104
139013	5 x 1	4.5 x 16.1	48.0	134
139014	6 x 1	4.5 x 20.5	57.6	161
139015	9 x 1	4.5 x 28.5	86.4	230
139016	10 x 1	4.5 x 30.1	96.0	256
139017	12 x 1	4.5 x 36.3	115.2	298
139018	16 x 1	4.5 x 47.5	153.6	395
139019	18 x 1	4.5 x 52.9	172.8	441
139020	20 x 1	4.5 x 59.1	192.0	495
139021	24 x 1	4.5 x 70.5	230.4	590
139022	4 x 1.5	4.5 x 13.8	58.0	133
139023	5 x 1.5	4.5 x 18.0	72.0	169
139024	7 x 1.5	4.5 x 23.4	101.0	235
139025	8 x 1.5	4.5 x 26.7	115.0	265
139026	10 x 1.5	4.5 x 33.4	144.0	332
139027	12 x 1.5	4.5 x 38.8	173.0	421

Item No.	No. Of Core x Section mm²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
139028	4 x 2.5	5.5 x 17.1	96.0	205
139029	5 x 2.5	5.5 x 21.4	120.0	256
139030	7 x 2.5	5.5 x 30.2	168.0	344
139031	8 x 2.5	5.5 x 32.0	192.0	389
139032	12 x 2.5	5.5 x 47.0	288.0	580
139033	24 x 2.5 (6x4)	15.0 x 63.1	604.0	950
139034	24 x 2.5	5.8 x 120.0	604.0	950
139035	4 x 4	7.0 x 21.7	154.0	344
139036	5 x 4	7.0 x 27.5	192.0	428
139037	7 x 4	7.9 x 36.5	269.0	590
139038	4 x 6	8.2 x 24.7	230.0	424
139039	5 x 6	8.2 x 27.5	288.0	530
139040	7 x 6	8.2 x 42.5	403.0	760
139041	4 x 10	10.0 x 29.5	384.0	710
139042	4 x 16	11.1 x 34.5	614.0	1014
139043	4 x 25	13.6 x 42.5	960.0	1365
139044	4 x 35	15.5 x 47.7	1344.0	2100
139045	4 x 50	18.3 x 57.1	1920.0	2940
139046	4 x 70	20.0 x 64.3	2688.0	4090
139047	5 x 16	13.0 x 46.5	768.0	1370
139048	5 x 25	15.5 x 55.6	1200.0	2000