

Flexible fixed installation cable/Power cable PS flexible PVC material power cable

sketch map



Technical parameter:

Conductor: Multi-stranded bare copper wire stranded conductor.
 Insulation: PVC
 Core wire color: color differentiation or black core wire white numerical identification.
 Core wire stranding: twisted together at the optimal pitch.
 Outer sheath: PVC, color can be matched according to customer requirements.
 Minimum bending radius: occasional movement: 15xd; Fixed installation: 4xd.
 Operating temperature range: Mobile installation: -5°C to +70°C; Fixed installation: -20°C to +80°C
 Rated voltage: 300/500V
 Test voltage: 4000V

Product characteristics:

Has higher electrical performance, higher flexibility, smaller cable outer diameter, and saves installation space.
 Flame retardancy in accordance with IEC 60332-1-2.

Application scope:

Equipment installation engineering, industrial machinery, heating and air conditioning installation systems, power stations;
 Suitable for dry or humid spaces subject to moderate mechanical loads;
 Suitable for fixed installation and occasional bending situations with free and discontinuous reciprocating movement without tensile load;
 Suitable for torsion applications, typical applications are in the crossover area of wind turbines (WTGs).

Product standards:

Material code	Number of cores and nominal cross-section of conductors	Approximate outer diameter [mm ²]	Cable weight kg/km
PS-2-0.5	2x0.5	5.3	40
PS-3-0.5	3x0.5	5.7	48
PS-4-0.5	4x0.5	6.3	58
PS-5-0.5	5x0.5	6.8	67
PS-7-0.5	7x0.5	8.0	88
PS-12-0.5	12x0.5	9.5	136
PS-18-0.5	18x0.5	11.8	185
PS-25-0.5	25x0.5	13.5	250
PS-30-0.5	30x0.5	14.3	290
PS-34-0.5	34x0.5	15.6	340
PS-50-0.5	50x0.5	18.5	500
PS-2-0.75	2x0.75	5.7	49
PS-3-0.75	3x0.75	6.2	60
PS-4-0.75	4x0.75	6.8	70
PS-5-0.75	5x0.75	7.4	85
PS-7-0.75	7x0.75	8.9	110
PS-12-0.75	12x0.75	10.6	173
PS-18-0.75	18x0.75	12.7	259
PS-25-0.75	25x0.75	15.2	363
PS-2-1.0	2x1.0	6.1	58
PS-3-1.0	3x1.0	6.6	72
PS-4-1.0	4x1.0	7.3	88
PS-5-1.0	5x1.0	8.0	104
PS-7-1.0	7x1.0	9.6	142
PS-12-1.0	12x1.0	11.4	221
PS-14-1.0	14x1.0	12.3	258
PS-16-1.0	16x1.0	13	287
PS-18-1.0	18x1.0	13.9	324
PS-25-1.0	25x1.0	16.4	445
PS-41-1.0	41x1.0	20.6	712
PS-50-1.0	50x1.0	22.3	854
PS-2-1.5	2x1.5	7.7	83
PS-3-1.5	3x1.5	8.2	106
PS-4-1.5	4x1.5	9	131
PS-5-1.5	5x1.5	9.8	166
PS-7-1.5	7x1.5	11.0	203
PS-12-1.5	12x1.5	15	327
PS-18-1.5	18x1.5	18	465
PS-25-1.5	25x1.5	21	662
PS-2-2.5	2x2.5	9.2	113
PS-3-2.5	3x2.5	10	145
PS-4-2.5	4x2.5	10.8	190
PS-5-2.5	5x2.5	12	228
PS-7-2.5	7x2.5	14.2	311
PS-12-2.5	12x2.5	18.5	486
PS-18-2.5	18x2.5	23	743
PS-25-2.5	25x2.5	25	971
PS-3-4.0	3x4.0	11	198
PS-4-4.0	4x4.0	12.3	260
PS-5-4.0	5x4.0	13.8	325
PS-4-6.0	4x6.0	14.5	373
PS-5-6.0	5x6.0	16	458
PS-4-10.0	4x10.0	18.2	592
PS-5-10.0	5x10.0	20.6	762
PS-4-16.0	4x16.0	21.5	900
PS-5-16.0	5x16.0	24.5	1119
PS-4-25.0	4x25.0	28.5	1445
PS-4-35.0	4x35.0	31	1894