



Construction

1. Flexible bare copper conductor
2. Stranded to IEC 60228 class 5
3. Extruded PVC Insulated
4. PVC outer sheath
5. Sheath colour : black

Technical data

- Rated Voltage U₀/U : 600/1000 V
- Test Voltage : 3500 V
- Working temperature : -5°C to +70°C
- Bending radius : approx. 10x cable diameter
- Flame retardancy : IEC 60332-1

Application

for fixed installations or mobile applications with medium mechanical and tension stress, indoor and outdoor use.

Data Sheet

Number of cores & nom. cross section area	Conductor structure no. of wire / diameter	Nominal thickness		Overall diameter	Cable weight approx.	Current carrying capacity in air at 30°C
		Insulation	Sheath			
mm ²	mm	mm	mm	mm	kg/km	Ampere
1 x 16	128/0.40	1.0	1.4	10.4	242	61
1 x 25	200/0.40	1.2	1.4	12.1	350	80
1 x 35	280/0.40	1.2	1.4	13.5	461	115
1 x 50	400/0.40	1.4	1.4	15.4	631	146
1 x 70	356/0.50	1.4	1.5	17.3	842	184
1 x 95	485/0.50	1.6	1.6	19.7	1122	221
1 x 120	614/0.50	1.6	1.6	21.3	1375	259
1 x 150	765/0.50	1.8	1.7	23.6	1705	301
1 x 185	944/0.50	2.0	1.8	26.1	2097	343
1 x 240	1225/0.50	2.2	1.9	29.2	2682	412
1 x 300	1530/0.50	2.4	2.0	32.3	3328	475
1 x 400	2035/0.50	2.6	2.0	36.1	4290	564
2 x 1.5	30/0.25	0.8	1.8	10.4	155	15
2 x 2.5	50/0.25	0.8	1.8	11.2	190	20
2 x 4.0	56/0.30	1.0	1.8	13.2	272	25
2 x 6.0	84/0.30	1.0	1.8	14.4	340	32
2 x 10	80/0.40	1.0	1.8	16.4	473	43
3 x 1.5	30/0.25	0.8	1.8	10.9	178	15
3 x 2.5	50/0.25	0.8	1.8	11.8	223	20
3 x 4.0	56/0.30	1.0	1.8	13.9	321	25
3 x 6.0	84/0.30	1.0	1.8	15.2	407	30

Number of cores & nom. cross section area	Conductor structure no. of wire / diameter	Nominal thickness		Overall diameter	Cable weight approx.	Current carrying capacity in air at 30°C
		Insulation	Sheath			
mm ²	mm	mm	mm	mm	kg/km	Ampere
3 x 10	80/0.40	1.0	1.8	17.4	580	41
3 x 16	128/0.40	1.0	1.8	21.9	924	58
3 x 25	200/0.40	1.2	1.8	25.7	1332	78
3 x 35	280/0.40	1.2	1.9	28.9	1753	107
3 x 50	400/0.40	1.4	2.0	33.7	2437	135
3 x 70	356/0.50	1.4	2.2	37.8	3207	170
3 x 95	485/0.50	1.6	2.3	43.3	4277	202
3 x 120	614/0.50	1.6	2.5	47.2	5234	237
3 x 150	765/0.50	1.8	2.6	52.1	6453	273
3 x 185	944/0.50	2.0	2.8	57.6	7923	309
3 x 240	1225/0.50	2.2	3.0	64.2	10053	366
4 x 1.5	30/0.25	0.8	1.8	11.8	210	15
4 x 2.5	50/0.25	0.8	1.8	12.7	263	20
4 x 4.0	56/0.30	1.0	1.8	15.1	385	25
4 x 6.0	84/0.30	1.0	1.8	16.6	495	30
4 x 10	80/0.40	1.0	1.8	19.0	718	41
4 x 16	128/0.40	1.0	1.8	23.9	1143	58
4 x 25	200/0.40	1.2	1.8	28.1	1657	78
4 x 35	280/0.40	1.2	2.0	32.3	2244	99
4 x 50	400/0.40	1.4	2.1	37.1	3067	124
4 x 70	356/0.50	1.4	2.3	41.6	4045	156
4 x 95	485/0.50	1.6	2.5	48.0	5442	186

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		Insulation	Sheath			
mm ²	mm	mm	mm	mm	kg/km	Ampere
4 x 120	614/0.50	1.6	2.6	52.2	6653	218
4 x 150	765/0.50	1.8	2.8	58.0	8261	251
4 x 185	944/0.50	2.0	3.0	63.7	10077	285
4 x 240	1225/0.50	2.2	3.3	71.7	12924	338
5 x 1.5	30/0.25	0.8	1.8	12.7	248	15
5 x 2.5	50/0.25	0.8	1.8	13.8	317	20
5 x 4.0	56/0.30	1.0	1.8	16.5	468	24
5 x 6.0	84/0.30	1.0	1.8	18.1	600	29
5 x 10	80/0.40	1.0	1.8	20.8	869	40
5 x 16	128/0.40	1.0	1.8	26.1	1381	56
5 x 25	200/0.40	1.2	1.9	31.0	2030	75
5 x 35	280/0.40	1.4	2.1	35.6	2746	93
5 x 50	400/0.40	1.4	2.3	41.1	3777	117
5 x 70	356/0.50	1.6	2.4	46.4	5021	146
5 x 95	485/0.50	1.6	2.7	53.2	6710	175
5 x 120	614/0.50	1.8	2.8	58.1	8242	205
7 x 1.5	30/0.25	0.8	1.8	13.7	299	15
7 x 2.5	50/0.25	0.8	1.8	14.9	388	20
7 x 4	56/0.30	1.0	1.8	17.9	579	25
7 x 6	84/0.30	1.0	1.8	19.7	752	30
7 x 10	80/0.40	1.0	1.8	22.7	1104	41
7 x 16	128/0.40	1.0	1.9	28.5	1757	58
7 x 25	200/0.40	1.2	2.1	34.5	2648	78
7 x 35	280/0.40	1.2	2.2	38.9	3518	99
8 x 1.5	30/0.25	0.8	1.8	14.7	339	15
8 x 2.5	50/0.25	0.8	1.8	16.0	440	20
8 x 4	56/0.30	1.0	1.8	19.3	660	26
10 x 1.5	30/0.25	0.8	1.8	17.5	431	15
10 x 2.5	50/0.25	0.8	1.8	19.2	563	20
10 x 4	56/0.30	1.0	1.8	23.3	845	25

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		Insulation	Sheath			
mm ²	mm	mm	mm	mm	kg/km	Ampere
12 x 1.5	30/0.25	0.8	1.8	17.5	452	15
12 x 2.5	50/0.25	0.8	1.8	19.2	598	20
12 x 4	56/0.30	1.0	1.8	23.3	902	25
18 x 1.5	30/0.25	0.8	1.8	20.3	651	15
18 x 2.5	50/0.25	0.8	1.8	22.3	867	20
19 x 1.5	30/0.25	0.8	1.8	20.3	662	15
19 x 2.5	50/0.25	0.8	1.8	22.3	885	20
21 x 1.5	30/0.25	0.8	1.8	21.4	732	15
21 x 2.5	50/0.25	0.8	1.8	23.6	984	20
25 x 1.5	30/0.25	0.8	1.8	24.3	886	15
25 x 2.5	50/0.25	0.8	1.8	26.8	1188	20
32 x 1.5	30/0.25	0.8	1.8	26.2	1070	15
32 x 2.5	50/0.25	0.8	1.9	29.0	1451	20
37 x 1.5	30/0.25	0.8	1.8	27.2	1180	15
37 x 2.5	50/0.25	0.8	1.9	30.2	1616	20
42 x 1.5	30/0.25	0.8	1.9	29.4	1370	15
42 x 2.5	50/0.25	0.8	2.0	32.6	1868	20
50 x 1.5	30/0.25	0.8	2.0	32.2	1599	15
50 x 2.5	50/0.25	0.8	2.1	35.8	2193	20
61 x 1.5	30/0.25	0.8	2.0	34.2	1862	15
61 x 2.5	50/0.25	0.8	2.2	38.2	2582	20