

Single layer unshielded EV cable

Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mQ/m@20P	Permissible ampacity A (Ref.)	Over diameter mm (Ref.)
2.5mm ²	2.06	7.6	25	3.5
4mm ²	2.7	4.71	35	4.5
6mm ²	3.4	3.14	45	5
10mm ²	4.5	1.82	70	6.4
16mm ²	5.6	1.16	95	8
25mm ²	7.2	0.743	130	10
35mm ²	8.3	0.527	160	11
50mm ²	10.1	0.368	210	13
70mm ²	12.1	0.259	260	15
95mm ²	14.5	0.196	320	17.3
120mm ²	15.9	0.153	370	19.5

The specification, size, structure of above product may be changed due to Technical progress, similar specifications are available according to customer* s requirements

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2.5mm ²	2.06	7.6	25	5.8
4mm ²	2.7	4.71	35	6.8
6mm ²	3.4	3.14	45	7.5
10mm ²	4.5	1.82	70	9.2
16mm ²	5.6	1.16	95	10.8
25mm ²	7.2	0.743	130	13.2
35mm ²	8.3	0.527	160	14.5
50mm ²	10.1	0.368	210	16.5
70mm ²	12.1	0.259	260	19
95mm ²	14.5	0.196	320	21.6
120mm ²	15.9	0.153	370	23.6

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Orange EV cable AC 600V/DC 900V(Unshielded)

Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mQ/m@20P	Permissible ampacity A (Ref.)	Over diameter mm (Ref.)
1.5mm ²	1.6	12.7	18	2.3
2.5mm ²	2.06	7.6	25	2.85
4mm ²	2.7	4.71	35	3.55
6mm ²	3.4	3.14	45	4.15
10mm ²	4.5	1.82	70	5.6
16mm ²	5.6	1.16	95	6.9
25mm ²	7.2	0.743	130	8.4
35mm ²	8.3	0.527	160	9.8
50mm ²	10.1	0.368	210	11.9
70mm ²	12.1	0.259	260	14.1

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Orange EV cable AC 600V/DC 900V(Shield)

Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mQ/m@20P	Permissible ampacity A (Ref.)	Over diameter mm (Ref.)
1.5mm ²	1.6	12.7	18	4
2.5mm ²	2.06	7.6	25	4.6
4mm ²	2.7	4.71	35	5.4
6mm ²	3.4	3.14	45	6.4
10mm ²	4.5	1.82	70	8.2
16mm ²	5.6	1.16	95	9.5
25mm ²	7.2	0.743	130	11.5
35mm ²	8.3	0.527	160	13.5
50mm ²	10.1	0.368	210	15.5
70mm ²	12.1	0.259	260	18

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AC 1000V/DC 1500V (Unshielded)

Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mQ/m@20P	Permissible ampacity A (Ref.)	Over diameter mm (Ref.)
10mm ²	4.5	1.82	70	6.8
16mm ²	5.6	1.16	95	8
25mm ²	7.2	0.743	130	10
35mm ²	8.3	0.527	160	11
50mm ²	10.1	0.368	210	13
70mm ²	12.1	0.259	260	15
95mm ²	14.5	0.196	320	17.3
120mm ²	15.9	0.153	370	19

The specification, size, structure of above product may be changed due to Technical progress, similar specifications are available according to customer's requirements

AC 1000V/DC 1500V (Shielded)

Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mQ/m@20P	Permissible ampacity A (Ref.)	Over diameter mm (Ref.)
10mm ²	4.5	1.82	70	9.5
16mm ²	5.6	1.16	95	11.3
25mm ²	7.2	0.743	130	13.5
35mm ²	8.3	0.527	160	14.5
50mm ²	10.1	0.368	210	17
70mm ²	12.1	0.259	260	19
95mm ²	14.5	0.196	320	21.6
120mm ²	15.9	0.153	370	23

The specification, size, structure of above product may be changed due to Technical progress, similar specifications are available according to customer's requirements

AC 600V/DC 900V (Multicore shielding)

Cores	Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mQ/m@20t)	Permissible ampacity A (Ref.)	Over diameter mm (Ref.)
2	1.5mm ²	1.6	12.7	13	7.6
3				11	8
4				10	8.6
5				9	9.2
2	2.5 mm ²	2.06	7.6	18	8.6
3				16	9.2
4				14	9.9
5				13	10.8
2	4 mm ²	2.7	4.71	26	10.1
3				22	10.6
4				20	12
5				18	13.2
2	6 mm ²	3.4	3.14	33	11.8
3				29	12.6
4				26	13.6
5				23	14.8

UL EV charging cable

Type	Size	Conductor Stranded OD mm Ref.	Max. Conductor resistance mQ/m@20P	Permissible ampacity @20P ambient Ref.	Over diameter Ref. mm	Packing M/Reel (Ref.)
600V or 1000V	3x16AWG	1.5/1.2	14.1	12A	10.8±0.5	1000m/700#
	3x14AWG	1.9/1.2	8.88	16A	11.8±0.5	800m/700#
	3x12AWG	2.4/1.2	5.58	23A	14.3±0.5	500m/700#
	3x10AWG	3.0/1.2	3.51	32A	15.6±0.5	500m/700#
	2x8AWG+10AWG	4.3/3.0	2.23/3.51	46A	20.9±0.8	500m/950#
	2 x 6AWG+8AWG	5.4/4.3	1.40/2.23	63A	23.4±0.8	400m/950#
	2x4AWG+6AWG	6.6/5.4	0.882/1.4	75A	27.0±0.9	300m/950#
	2 x 2AWG+4AWG	8.2/6.6	0.555/0.882	100A	30.5±1.0	400m/1200#
	3x16AWG+1 x18AWG	1.5/1.2	14.1/22.4	12A	11.4±0.5	800m/700#
	3x14AWG+1 X18AWG	1.9/1.2	8.88/22.4	16A	13.5±0.5	500m/700#
	3x12AWG+1 x18AWG	2.4/1.2	5.58/22.4	23A	14.5±0.5	500m/700#
	3x10AWG+1 X18AWG	3.0/1.2	3.51/22.4	32A	15.8±0.6	500m/700#
	2 x 8AWG+10AWG+18AWG	4.3/3.0	2.23/3.51/22.4	46A	20.9±0.8	500m/950#
	2 x 6AWG+8AWG+18AWG	5.4/4.3	1.40/2.23/22.4	63A	23.4±0.8	400m/950#
	2 x 4AWG+6AWG+18AWG	6.6/5.4	0.882/1.4/22.4	75A	27.0±0.9	300m/950#
	2 x 2AWG+4AWG+18AWG	8.2/6.6	0.555/0.882/22.4	100A	30.5±1.0	400m/1200#
	3x16AWG+2x18AWG	1.5/1.2	3.51/22.4	12A	12.2±0.5	500m/700#
	3x14AWG+2x18AWG	1.9/1.2	8.88/22.4	16A	14.1±0.5	500m/700#
	3x12AWG+2x18AWG	2.4/1.2	5.58/22.4	23A	15.1±0.6	500m/700#
	3x10AWG+2x18AWG	3.0/1.2	3.51/22.4	32A	15.8±0.6	500m/700#
	2 x 8AWG+10AWG+2 x18AWG	4.3/3.0	2.23/3.51	46A	20.9±0.8	500m/950#
	2 x 6AWG+8AWG+2 x18AWG	5.4/4.3	1.40/2.23	63A	23.4±0.8	400m/950#
	2 x 4AWG+6AWG+2 x18AWG	6.6/5.4	0.882/1.4	75A	27.0±0.9	300m/950#
	2 x 2AWG+4AWG+2 x18AWG	8.2/6.6	0.555/0.882	100A	30.5±1.0	400m/1200#
	2 x 1/0AWG+2 AWG	10.5/8.2	0.349/0.555	200A	38.0±1.0	250m/1200#
	2x3/0AWG+1/0AWG	13.05/10.5	0.219/0.349	260A	45.0±1.0	150m/1200#
300V	3x16AWG	1.5/1.2	3.51/22.4	12A	9.5±0.3	1200m/700#
	3x14AWG	1.9/1.2	8.88/22.4	16A	10.2±0.5	1000m/700#
	3x12AWG	2.4/1.2	5.58/22.4	23A	11.4±0.5	800m/700#
	3x16AWG+1 x18AWG	1.5/1.2	3.51/22.4	12A	10.5±0.5	1000m/700#
	3x14AWG+1 x18AWG	1.9/1.2	8.88/22.4	16A	11.1±0.5	80m/700#
	3x12AWG+1 x18AWG	2.4/1.2	5.58/22.4	23A	12.2±0.5	500m/700#
	3x16AWG+2x18AWG	1.5/1.2	3.51/22.4	12A	11.3±0.5	800m/700#
	3x14AWG+2x18AWG	1.9/1.2	8.88/22.4	16A	12.0±0.5	800m/700#
	3x12AWG+2x18AWG	2.4/1.2	5.58/22.4	23A	13.1±0.5	500m/700#

The number of signal wires can be 0-6 or more, and the specifications of signal wire conductors can be 16Awg, 18Awg, 20Awg, 22Awg