

0.6/1kV STA Armour Low Voltage Power Cable



APPLICATION

This product is suitable for transmitting electric energy in power lines with AC 50Hz and rated voltage 0.6/1kV (system maximum voltage 1.2kV). Fixed laying in metallurgy, electric power, construction and other industries indoors, cable trenches, pipelines, direct burial and other places that do not need to withstand mechanical external force.

CHARACTERISTICS

Voltage Rating U_0/U

0.6/1kV

Operating Temperature

-15°C to +90°C

STANDARDS

IEC 60502-1

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

CONSTRUCTION

Conductor

Copper conductor

Insulation

XLPE (Cross-linked Polyethylene)

Armour

STA (Steel Tape Armour)

Sheath

PVC (Polyvinyl Chloride)

Core Identification

2 core: red blue

3 core: yellow green red

4 core: yellow green red blue

5 core: yellow green red blue black (or determined by negotiation between the supplier and the buyer)

The colors red, yellow and green are used for the main wire core

Blue is used for the neutral core

Sheath Colour

Black; customization is available

ELECTRICAL CHARACTERISTICS

NO.OF CORES	CORE×CROSS SECTION	CONDUCTOR	CORE DIANETER	INSULATION THCKNESS	BELT	ARMOR	JACKET THICKNESS	REFERENCE OUTER DIAMETER	REFERENCE WEIGHT	DC RESISTANCE
	(MM)		(MM2)	(MM)	(MM)	(MM)	(MM)	(MM)	(kg/km)	(Ω/KM)
2	2×1.5	1/1.38	1.38	0.7	2×20×0.20	20×0.2	1.8	11.2	196.8	12.1
2	2×2.5	1/1.78	1.78	0.7	2×20×0.20	20×0.2	1.8	12	233.5	7.41
2	2×4	1/2.25	2.25	0.7	2×20×0.20	20×0.2	1.8	13	284.3	4.61
2	2×6	1/2.76	2.76	0.7	2×20×0.20	20×0.2	1.8	14	344.9	3.08
2	2×10	7/1.35	4.05	0.7	2×20×0.20	20×0.2	1.8	17	532	1.83
2	2×16	7/1.66	4.98	0.7	2×20×0.20	20×0.2	1.8	19	696.5	1.15
2	2×25	7/2.14	6.42	0.9	2×25×0.20	25×0.2	1.8	22.6	1028.5	0.727
2	2×35	7/2.52	7.56	0.9	2×25×0.20	25×0.2	1.8	25	1309.9	0.524
2	2×50	10/2.52	5.7×13.5	1.0	2×40×0.20	25×0.2	1.8	21	1248.8	0.387
2	2×70	14/2.52	7.0×15.6	1.1	2×50×0.20	25×0.2	1.9	24.2	1677.7	0.268
2	2×95	19/2.52	8.3×18.0	1.1	2×55×0.20	25×0.2	2.0	27	2205.5	0.193
2	2×120	24/2.52	8.9×20.8	1.2	2×60×0.20	25×0.5	2.1	30	2994.1	0.153
2	2×150	30/2.52	10.0×23.1	1.4	2×60×0.20	30×0.5	2.3	33.4	3663.3	0.124
2	2×185	37/2.52	11.1×25.7	1.6	2×60×0.20	30×0.5	2.4	36.6	4424.8	0.0991
2	2×240	48/2.52	12.5×29.1	1.7	2×60×0.30	30×0.5	2.6	40.8	5617.4	0.0754
2	2×300	61/2.52	15.0×32.2	1.8	2×60×0.30	35×0.5	2.7	46.4	6994.8	0.0601
3	3×1.5	1/1.38	1.38	0.7	2×20×0.20	20×0.2	1.8	11.6	223.3	12.1
3	3×2.5	1/1.78	1.78	0.7	2×20×0.20	20×0.2	1.8	12.5	269	7.41
3	3×4	1/2.25	2.25	0.7	2×20×0.20	20×0.2	1.8	13.6	335.7	4.61
3	3×6	1/2.76	2.76	0.7	2×20×0.20	20×0.2	1.8	14.7	416.8	3.08
3	3×10	7/1.35	4.05	0.7	2×20×0.20	20×0.2	1.8	17.9	637.6	1.83
3	3×16	7/1.66	4.98	0.7	2×20×0.20	25×0.2	1.8	20.1	851	1.15
3	3×25	7/2.14	6.42	0.9	2×25×0.20	25×0.2	1.8	23.9	1271.2	0.727
3	3×35	7/2.52	7.56	0.9	2×25×0.20	25×0.2	1.8	26.5	1639.3	0.524
3	3×50	10/2.52	7.0×11.5	1.0	2×50×0.20	25×0.2	1.8	24.6	1776.6	0.387
3	3×70	14/2.52	8.0×13.7	1.1	2×55×0.20	25×0.2	1.9	27.3	2379.6	0.268
3	3×95	19/2.52	9.5×15.8	1.1	2×60×0.20	30×0.2	2.1	30.9	3168.1	0.193
3	3×120	24/2.52	10.8×18.6	1.2	2×60×0.20	30×0.5	2.2	35.5	4278.7	0.153
3	3×150	30/2.52	12.5×20.5	1.4	2×60×0.20	30×0.5	2.4	40.3	5272.4	0.124
3	3×185	37/2.52	14.3×23.3	1.6	2×60×0.20	35×0.5	2.5	45.1	6415.4	0.0991
3	3×240	48/2.52	16.3×26.2	1.7	2×60×0.30	35×0.5	2.7	50.8	8177.3	0.0754
3	3×300	61/2.52	18.0×29.8	1.8	2×60×0.30	35×0.5	2.9	55.2	10125.2	0.0601
4	4×1.5	1/1.38	1.38	0.7	2×20×0.20	20×0.2	1.8	12.4	255	12.1
4	4×2.5	1/1.78	1.78	0.7	2×20×0.20	20×0.2	1.8	13.3	315.1	7.41
4	4×4	1/2.25	2.25	0.7	2×20×0.20	20×0.2	1.8	14.6	398.3	4.61
4	4×6	1/2.76	2.76	0.7	2×20×0.20	20×0.2	1.8	15.8	500.6	3.08
4	4×10	7/1.35	4.05	0.7	2×20×0.20	20×0.2	1.8	19.4	776.2	1.83
4	4×16	7/1.66	4.98	0.7	2×25×0.20	25×0.2	1.8	21.8	1043	1.15
4	4×25	7/2.14	6.42	0.9	2×25×0.20	25×0.2	1.8	26.1	1579.3	0.727
4	4×35	7/2.52	7.56	0.9	2×25×0.20	25×0.2	1.8	29	2049.4	0.524
4	4×50	10/2.52	7.5×10.5	1.0	2×55×0.20	25×0.2	1.9	26.7	2286.2	0.387
4	4×70	14/2.52	9.1×12.5	1.1	2×60×0.20	30×0.2	2.0	30.9	3101.5	0.268
4	4×95	19/2.52	11.0×13.3	1.1	2×60×0.20	30×0.5	2.2	36.6	4502.9	0.193
4	4×120	24/2.52	12.0×17.0	1.2	2×60×0.20	30×0.5	2.4	39.7	5540	0.153
4	4×150	30/2.52	13.9×19.7	1.4	2×60×0.30	35×0.5	2.5	45.5	6876.1	0.124
4	4×185	37/2.52	15.2×21.2	1.6	2×60×0.30	35×0.5	2.7	49.7	8350.4	0.0991
4	4×240	48/2.52	17.3×24.3	1.7	2×60×0.30	35×0.5	2.9	55.1	10566.6	0.0754
4	4×300	61/2.52	19.5×27.9	1.8	2×60×0.30	45×0.5	3.1	60.8	13155.7	0.0601
5	5×1.5	1/1.38	1.38	0.7	2×20×0.20	20×0.2	1.8	13.2	289.8	12.1
5	5×2.5	1/1.78	1.78	0.7	2×20×0.20	20×0.2	1.8	14.2	362.1	7.41
5	5×4	1/2.25	2.25	0.7	2×20×0.20	20×0.2	1.8	15.6	464.8	4.61
5	5×6	1/2.76	2.76	0.7	2×20×0.20	20×0.2	1.8	16.9	588.6	3.08
5	5×10	7/1.35	4.05	0.7	2×25×0.20	25×0.2	1.8	20.9	920.4	1.83
5	5×16	7/1.66	4.98	0.7	2×25×0.20	25×0.2	1.8	23.6	1248.5	1.15
5	5×25	7/2.14	6.42	0.9	2×25×0.20	25×0.2	1.8	28.5	1914.5	0.727
5	5×35	7/2.52	7.56	0.9	2×30×0.20	30×0.2	1.9	31.9	2507.5	0.524

ELECTRICAL CHARACTERISTICS

NO.OF CORES	CORE×CROSS SECTION (MM)	CONDUCTOR	CORE DIAMETER (MM2)	INSULATION THCKNESS (MM)	BELT (MM)	ARMOR (MM)	JACKET THICKNESS (MM)	REFERENCE OUTER DIAMETER (MM)	REFERENCE WEIGHT (kg/km)	DC RESISTANCE (Ω/KM)
5	5×50	10/2.52	4.8×14.2 8.4	1.0 1.0	2×60×0.20	25×0.2	2.0	29	2798.7	0.387
5	5×70	14/2.52	5.7×16.8 10	1.1 1.1	2×60×0.20	30×0.5	2.2	34.5	4145.4	0.268
5	5×95	19/2.52	6.7×19.6 11.6	1.1 1.1	2×60×0.20	30×0.5	2.3	38.3	5440.8	0.193
5	5×120	24/2.52	7.9×21.9 13	1.2 1.2	2×60×0.20	35×0.5	2.5	43	6760.5	0.153
5	5×150	30/2.52	8.5×24.6 14.6	1.4 1.4	2×60×0.30	35×0.5	2.7	47.8	8358.6	0.124
5	5×185	37/2.52	9.4×27.2 16.2	1.6 1.6	2×60×0.30	35×0.5	2.9	52.6	10183.2	0.0991
5	5×240	48/2.52	10.8×31.0 18.5	1.7 1.7	2×60×0.30	45×0.5	3.1	58.6	12925.2	0.0754
5	5×300	61/2.52	12.2×34.4 20.6	1.8 1.8	2×60×0.30	45×0.5	3.3	64.4	16110.3	0.0601
4	3×4+1×2.5	1/2.25 1/1.78	2.25 1.78	0.7 0.7	2×20×0.20	20×0.2	1.8	14.3	355	4.61
5	3×4+2×2.5	1/2.25 1/1.78 1/1.78	2.25 1.78 1.78	0.7 0.7 0.7	2×20×0.20	20×0.2	1.8	15.1	377.6	4.61
4	3×6+1×4	1/2.76 1/2.25	2.76 2.25	0.7 0.7	2×20×0.20	20×0.2	1.8	15.5	439.2	3.08
5	3×6+2×4	1/2.76 1/2.25 1/2.25	2.76 2.25 2.25	0.7 0.7 0.7	2×20×0.20	20×0.2	1.8	16.4	468	3.08
4	3×10+1×6	7/1.35 7/1.04	4.05 3.12	0.7 0.7	2×20×0.20	20×0.2	1.8	18.7	659.8	1.83
5	3×10+2×6	7/1.35 7/1.04 7/1.04	4.05 3.12 3.12	0.7 0.7 0.7	2×20×0.20	25×0.2	1.8	19.8	699.5	1.83
4	3×16+1×10	7/1.66 7/1.35	4.98 4.05	0.7 0.7	2×25×0.20	25×0.2	1.8	21.2	884.1	1.15
5	3×16+2×10	7/1.66 7/1.35 7/1.35	4.98 4.05 4.05	0.7 0.7 0.7	2×25×0.20	25×0.2	1.8	22.5	932.1	1.15
4	3×25+1×16	7/2.14 7/1.66	6.42 4.98	0.9 0.7	2×25×0.20	25×0.2	1.8	25	1301.8	0.727
5	3×25+2×16	7/2.14 7/1.66 7/1.66	6.42 4.98 4.98	0.9 0.7 0.7	2×25×0.20	25×0.2	1.8	26.5	1363.3	0.727
4	3×35+1×16	7/2.52 7/1.66	7.56 4.98	0.9 0.7	2×25×0.20	25×0.2	1.8	27.2	1648.2	0.524
5	3×35+2×16	7/2.52 7/1.66 7/1.66	7.56 4.98 4.98	0.9 0.7 0.7	2×25×0.20	25×0.2	1.8	28.5	1702.9	0.524
4	3×50+1×25	10/2.52 7/2.16	7.2×10.8 6	1.0 0.9	2×55×0.20	25×0.2	1.8	26.9	2059	0.387
5	3×50+2×25	10/2.52 7/2.16 7/2.16	5.0×14.3 6 6	1.0 0.9 0.9	2×55×0.20	25×0.2	1.9	26.7	2305.1	0.387
4	3×70+1×35	14/2.52 7/2.52	9.0×13.0 7	1.1 0.9	2×60×0.20	30×0.2	2.0	31.9	2799.8	0.268
5	3×70+2×35	14/2.52 7/2.52 7/2.52	6.0×16.8 7 7	1.1 0.9 0.9	2×60×0.20	30×0.2	2.0	30.3	3092.9	0.268
4	3×95+1×50	19/2.52 10/2.52	10.7×14.5 8.4	1.1 1.0	2×60×0.20	30×0.5	2.1	37.2	4092.3	0.193
5	3×95+2×50	19/2.52 10/2.52 10/2.52	7.2×19.7 8.4 7.1×11.5	1.1 1.0 1.0	2×60×0.20	30×0.5	2.2	35.8	4520.3	0.193
4	3×120+1×70	24/2.52 14/2.52	11.5×17.3 10	1.2 1.1	2×60×0.20	30×0.5	2.3	39.9	5068	0.153

ELECTRICAL CHARACTERISTICS

NO.OF CORES	CORE×CROSS SECTION (MM)	CONDUCTOR	CORE DIAMETER (MM2)	INSULATION THCKNESS (MM)	BELT (MM)	ARMOR (MM)	JACKET THICKNESS (MM)	REFERENCE OUTER DIAMETER (MM)	REFERENCE WEIGHT (kg/km)	DC RESISTANCE (Ω/KM)
5	3×120+2×70	24/2.52	8.0×22.1	1.2	2×60×0.20	30×0.5	2.4	39.9	5721.4	0.153
		14/2.52	10	1.1						
		14/2.52	7.8×13.1	1.1						
4	3×150+1×70	30/2.52	13.2×19.4	1.4	2×60×0.20	35×0.5	2.4	45	6062.9	0.124
		14/2.52	10	1.1						
5	3×150+2×70	30/2.52	9.1×24.3	1.4	2×60×0.20	35×0.5	2.5	43.1	6657.2	0.124
		14/2.52	10	1.1						
		14/2.52	7.8×13.1	1.1						
4	3×185+1×95	37/2.52	15.0×22.3	1.6	2×60×0.30	35×0.5	2.6	51	7546.2	0.0991
		19/2.52	11.6	1.1						
5	3×185+2×95	37/2.52	10.2×27.2	1.6	2×60×0.30	35×0.5	2.7	48.7	8357.9	0.0991
		19/2.52	11.6	1.1						
		19/2.52	9.2×14.7	1.1						
4	3×240+1×120	48/2.52	17.7×23.7	1.7	2×60×0.30	45×0.5	2.8	58.1	9550.5	0.0754
		24/2.52	13	1.2						
5	3×240+2×120	48/2.52	11.5×29.2	1.7	2×60×0.30	35×0.5	2.9	53.6	10513.4	0.0754
		24/2.52	13	1.2						
		24/2.52	9.9×16.4	1.2						
4	3×300+1×150	61/2.52	19.2×28.3	1.8	2×60×0.30	45×0.5	2.9	62.3	11750.3	0.0601
		30/2.52	14.6	1.4						
5	3×300+2×150	61/2.52	13.0×33.2	1.8	2×60×0.30	45×0.5	3.1	59.2	13056.3	0.0601
		30/2.52	14.6	1.4						
		30/2.52	10.6×17.9	1.4						
5	4×4+1×2.5	1/2.25	2.25	0.7	2×20×0.20	20×0.2	1.8	15.3	421.1	4.61
		1/1.78	1.78	0.7						
5	4×6+1×4	1/2.76	2.76	0.7	2×20×0.20	20×0.2	1.8	16.7	526.8	3.08
		1/2.25	2.25	0.7						
5	4×10+1×6	7/1.35	4.05	0.7	2×20×0.20	25×0.2	1.8	20.4	812.3	1.83
		7/1.04	3.12	0.7						
5	4×16+1×10	7/1.66	4.98	0.7	2×25×0.20	25×0.2	1.8	23.1	1093	1.15
		7/1.35	4.05	0.7						
5	4×25+1×16	7/2.14	6.42	0.9	2×25×0.20	25×0.2	1.8	27.5	1637.7	0.727
		7/1.66	4.98	0.7						
5	4×35+1×16	7/2.52	7.56	0.9	2×25×0.20	30×0.2	1.8	30.1	2094.1	0.524
		7/1.66	4.98	0.7						
5	4×50+1×25	10/2.52	5.5×13.4	1.0	2×55×0.20	25×0.2	2.0	27.9	2558.6	0.387
		7/2.16	6	0.9						
5	4×70+1×35	14/2.52	6.7×15.8	1.1	2×60×0.20	30×0.5	2.1	33.1	3775.4	0.268
		7/2.52	7	0.9						
5	4×95+1×50	19/2.52	7.7×18.3	1.1	2×60×0.20	30×0.5	2.3	37	4986.4	0.193
		10/2.52	8.4	1.0						
5	4×120+1×70	24/2.52	9.5×20.8	1.2	2×60×0.20	35×0.5	2.4	42.9	6282.7	0.153
		14/2.52	10	1.1						
5	4×150+1×70	30/2.52	10.0×22.9	1.4	2×60×0.30	35×0.5	2.6	45.7	7538.5	0.124
		14/2.52	10	1.1						
5	4×185+1×95	37/2.52	10.8×25.6	1.6	2×60×0.30	35×0.5	2.8	50.3	9261.4	0.0991
		19/2.52	11.6	1.1						
5	4×240+1×120	48/2.52	12.6×28.9	1.7	2×60×0.30	35×0.5	3.0	56	11719.3	0.0754
		24/2.52	13	1.2						
5	4×300+1×150	61/2.52	13.8×32.2	1.8	2×60×0.30	45×0.5	3.2	61	14558.5	0.0601
		30/2.52	14.6	1.4						