0.6/1kV Aluminum Core STA Armor 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 Uo/U
0.6/1kV

Operating Temperature
-15℃ to +90℃

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
Aluminum 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	2×10	7/1.35	4.05	0.7	2×30×0.20	20×0.2	1.8	16.6	350.2	3.08
2	2×16	7/1.66	4.98	0.7	2×35×0.20	20×0.2	1.8	18.6	431.1	1.91
2	2×25	7/2.14	6.42	0.9	2×45×0.20	25×0.2	1.8	22	588.5	1.2
2	2×35	7/2.52	7.56	0.9	2×50×0.20	25×0.2	1.8	24.4	713.7	0.868
2	2×50	10/2.52	5.7×13.5	1	2×40×0.20	25×0.2	1.8	21	648.6	0.641
2	2×70	14/2.52	7.0×15.6	1.1	2×50×0.20	25×0.2	1.9	24.2	837.4	0.443
2	2×95	19/2.52	8.3×18.0	1.1	2×55×0.20	25×0.2	2	27	1048.5	0.32
2	2×120	24/2.52	8.9×20.8	1.2	2×60×0.20	25×0.5	2.1	30	1532.6	0.253
2	2×150	30/2.52	10.0×23.1	1.4	2×60×0.20	30×0.5	2.3	33.4	1845.3	0.206
2	2×185	37/2.52	11.1×25.7	1.6	2×60×0.20	30×0.5	2.4	36.6	2182.5	0.164
2	2×240	48/2.52	12.5×29.1	1.7	2×60×0.30	30×0.5	2.6	40.8	2708.5	0.125
2	2×300	61/2.52	15.0×32.2	1.8	2×60×0.30	35×0.5	2.7	46.4	3298.1	0.1
3	3×10	7/1.35	4.05	0.7	2×30×0.20	20×0.2	1.8	17.5	399.3	3.08
3	3×16	7/1.66	4.98	0.7	2×35×0.20	25×0.2	1.8	19.6	495.4	1.91
3	3×25	7/2.14	6.42	0.9	2×45×0.20	25×0.2	1.8	23.3	689.5	1.2
3	3×35	7/2.52	7.56	0.9	2×55×0.20	25×0.2	1.8	25.9	844.9	0.868
3	3×50	10/2.52	7.0×11.5	1	2×50×0.20	25×0.2	1.8	24.6	876.3	0.641
3	3×70	14/2.52	8.0×13.7	1.1	2×55×0.20	25×0.2	1.9	27.3	1119.1	0.443
3	3×95	19/2.52	9.5×15.8	1.1	2×60×0.20	30×0.2	2.1	30.9	1432.7	0.32
3	3×120	24/2.52	10.8×18.6	1.2	2×60×0.20	30×0.5	2.2	35.5	2086.5	0.253
3	3×150	30/2.52	12.5×20.5	1.4	2×60×0.20	30×0.5	2.4	40.3	2545.4	0.206
3	3×185	37/2.52	14.3×23.3	1.6	2×60×0.20	35×0.5	2.5	45.1	3052	0.164
3	3×240	48/2.52	16.3×26.2	1.7	2×60×0.30	35×0.5	2.7	50.8	3814	0.125
3	3×300	61/2.52	18.0×29.8	1.8	2×60×0.30	35×0.5	2.9	55.2	4580.2	0.1
4	4×10	7/1.35	4.05	0.7	2×35×0.20	20×0.2	1.8	18.9	464.9	3.08
4	4×16	7/1.66	4.98	0.7	2×40×0.20	25×0.2	1.8	21.3	584.3	1.91
4	4×25	7/2.14	6.42	0.9	2×50×0.20	25×0.2	1.8	25.4	822.5	1.2
4	4×35	7/2.52	7.56	0.9	2×60×0.20	25×0.2	1.8	28.3	1015.2	0.868
4	4×50	10/2.52	7.5×10.5	1	2×55×0.20	25×0.2	1.9	26.7	1085.7	0.641
4	4×70	14/2.52	9.1×12.5	1.1	2×60×0.20	30×0.2	2	30.9	1420.9	0.443
4	4×95	19/2.52	11.0×13.3	1.1	2×60×0.20	30×0.5	2.2	36.6	2189	0.32
4	4×120	24/2.52	12.0×17.0	1.2	2×60×0.20	30×0.5	2.4	39.7	2617.1	0.253
4	4×150	30/2.52	13.9×19.7	1.4	2×60×0.30	35×0.5	2.5	45.5	3240	0.206
4	4×185	37/2.52	15.2×21.2	1.6	2×60×0.30	35×0.5	2.7	49.7	3865.9	0.164
4	4×240	48/2.52	17.3×24.3	1.7	2×60×0.30	35×0.5	2.9	55.1	4748.9	0.125
4	4×300	61/2.52	19.5×27.9	1.8	2×60×0.30	45×0.5	3.1	60.8	5762.4	0.1
5	5×10	7/1.35	4.05	0.7	2×40×0.20	25×0.2	1.8	20.5	539.2	3.08
5	5×16	7/1.66	4.98	0.7	2×45×0.20	25×0.2	1.8	23.2	683.4	1.91
5	5×25	7/2.14	6.42	0.9	2×55×0.20	25×0.2	1.8	27.7	968.2	1.2
5	5×35	7/2.52	7.56	0.9	2×60×0.20	30×0.2	1.9	31.2	1219.1	0.868

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)
5	5×50	10/2.52	4.8×14.2	1	2×60×0.20	25×0.2	2	29	1298.1	0.641
			8.4	1						
5	5×70	14/2.52	5.7×16.8	1.1	2×60×0.20	30×0.5	2.2	34.5	2044.6	0.443
			10	1.1						
5	5×95	19/2.52	6.7×19.6	1.1	2×60×0.20	30×0.5	2.3	38.3	2548.4	0.32
			11.6	1.1						
5	5×120	24/2.52	7.9×21.9	1.2	2×60×0.20	35×0.5	2.5	43	3106.9	0.253
			13	1.2						
5	5×150	30/2.52	8.5×24.6	1.4	2×60×0.30	35×0.5	2.7	47.8	3813.6	0.206
			14.6	1.4						
5	5×185	37/2.52	9.4×27.2	1.6	2×60×0.30	35×0.5	2.9	52.6	4577.6	0.164
			16.2	1.6						
5	5×240	48/2.52	10.8×31.0	1.7	2×60×0.30	45×0.5	3.1	58.6	5653.1	0.125
			18.5	1.7						
5	5×300	61/2.52	12.2×34.4	1.8	2×60×0.30	45×0.5	3.3	64.4	6868.6	0.1
			20.6	1.8						
4	3×16+1×10	7/1.66	4.98	0.7	2×40×0.20	25×0.2	1.8	20.7	554.4	1.91
		7/1.35	4.05	0.7						
5	3×16+2×10	7/1.66	4.98	0.7	2×45×0.20	25×0.2	1.8	22.1	624.6	1.91
		7/1.35	4.05	0.7						
		7/1.35	4.05	0.7						
4	3×25+1×16	7/2.14	6.42	0.9	2×50×0.20	25×0.2	1.8	24.4	763.2	1.2
		7/1.66	4.98	0.7						
5	3×25+2×16	7/2.14	6.42	0.9	2×55×0.20	25×0.2	1.8	25.9	852.6	1.2
		7/1.66	4.98	0.7						
		7/1.66	4.98	0.7						
4	3×35+1×16	7/2.52	7.56	0.9	2×55×0.20	25×0.2	1.8	26.6	905.9	0.868
		7/1.66	4.98	0.7						
5	3×35+2×16	7/2.52	7.56	0.9	2×60×0.20	25×0.2	1.8	27.8	986.5	0.868
		7/1.66	4.98	0.7						
		7/1.66	4.98	0.7						
4	3×50+1×25	10/2.52	7.2×10.8	1	2×55×0.20	25×0.2	1.8	26.9	1004.3	0.641
		7/2.16	6	0.9						
5	3×50+2×25	10/2.52	5.0×14.3	1	2×55×0.20	25×0.2	1.9	26.7	1096	0.641
		7/2.16	6	0.9						
		7/2.16	6	0.9						
4	3×70+1×35	14/2.52	9.0×13.0	1.1	2×60×0.20	30×0.2	2	31.9	1329.3	0.443
		7/2.52	7	0.9						
5	3×70+2×35	14/2.52	6.0×16.8	1.1	2×60×0.20	30×0.2	2	30.3	1412.3	0.443
		7/2.52	7	0.9						
		7/2.52	7	0.9						
4	3×95+1×50	19/2.52	10.7×14.5	1.1	2×60×0.20	30×0.5	2.1	37.2	2056.7	0.32
		10/2.52	8.4	1						
5	3×95+2×50	19/2.52	7.2×19.7	1.1	2×60×0.20	30×0.5	2.2	35.8	2184.6	0.32
		10/2.52	8.4	1						
		10/2.52	7.1×11.5	1						
4	3×120+1×70	24/2.52	11.5×17.3	1.2	2×60×0.20	30×0.5	2.3	39.9	2455.7	0.253
		14/2.52	10	1.1						
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	2688.9	0.253
		14/2.52	10	1.1						
		14/2.52	7.8×13.1	1.1						

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)
4	3×150+1×70	30/2.52	13.2×19.4	1.4	2×60×0.20	35×0.5	2.4	45	2915.7	0.206
		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	3089.8	0.206
		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	3604.4	0.164
		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	3837.6	0.164
		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	4456.6	0.125
		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	4688.7	0.125
		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	5296.3	0.1
		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	5693.3	0.1
		30/2.52	14.6	1.4						
		30/2.52	10.6×17.9	1.4						
5	4×16+1×10	7/1.66	4.98	0.7	2×45×0.20	25×0.2	1.8	22.6	652.5	1.91
		7/1.35	4.05	0.7						
5	4×25+1×16	7/2.14	6.42	0.9	2×55×0.20	25×0.2	1.8	26.8	910.7	1.2
		7/1.66	4.98	0.7						
5	4×35+1×16	7/2.52	7.56	0.9	2×60×0.20	25×0.2	1.8	29.4	1095.1	0.868
		7/1.66	4.98	0.7						
5	4×50+1×25	10/2.52	5.5×13.4	1	2×55×0.20	25×0.2	2	27.9	1203.8	0.641
		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	1884.6	0.443
		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	2372.3	0.32
		10/2.52	8.4	1						
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	2939.7	0.253
		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	3482.2	0.206
		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	4198.5	0.164
		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	56	5170.9	0.125
		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	6256.2	0.1
		30/2.52	14.6	1.4						