

0.6/1kV Aluminum Alloy Conductor XLPE Insulation Aluminum Alloy Interlocked Armour 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 in indoors, cable trenches, pipelines, directly buried and fixed places that can withstand mechanical external forces in metallurgy, electric power, construction and other industries.

CHARACTERISTICS

Voltage Rating U_0/U

0.6/1kV

Operating Temperature

Maximum working temperature: 90°C

Maximum temperature in short circuit: 250°C

STANDARDS

IEC 60228, IEC 60811, IEC 60502-1

CONSTRUCTION

Conductor

Aluminum Alloy Conductor

Insulation

XLPE (Cross-linked Polyethylene)

Armored

Aluminum Alloy Interlocked Armour

Core Identification

2core: Red Blue

3core: Yellow Green Red

4core: Yellow Green Red Blue

5core: Yellow Green Red Blue Black

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.

DIMENSIONS

Specification	Conductor Structure	Outer Diameter Of Conductor	Insulation Thickness	Packing Strap	Inner Sheath Thickness	Armour Thickness	Reference Overall Diameter	Reference Weight
		mm	mm	mm	mm	mm	mm	kg/km
1×10	7/1.35	4	0.7	0.08	1	9.5×0.5	11.2	99.8
1×16	7/1.70	5	0.7	0.08	1	9.5×0.5	12.2	128.3
1×25	7/2.18	6	0.9	0.08	1	9.5×0.5	13.6	177.6
1×35	7/2.58	6.9	0.9	0.08	1	9.5×0.5	14.5	213.3
1×50	7/3.00	8.2	1	0.08	1	9.5×0.5	16	269.1
1×70	14/2.58	10	1.1	0.08	1.3	9.5×0.5	18	360.8
1×95	19/2.58	11.5	1.1	0.08	1.3	9.5×0.5	19.5	453.5
1×120	24/2.58	13	1.2	0.08	1.3	9.5×0.5	21.2	550
1×150	30/2.58	14.5	1.4	0.08	1.3	9.5×0.5	23.1	666.6
1×185	37/2.58	16	1.6	0.08	1.3	12.7×0.5	26.6	800.6
1×240	48/2.58	18.4	1.7	0.08	1.3	12.7×0.6	29.2	1043.7
1×300	60/2.58	20.4	1.8	0.08	1.3	12.7×0.6	31.4	1254.1
1×400	61/2.95	23.5	2	0.08	1.3	12.7×0.6	34.9	1603.3
1×500	60/3.36	26.6	2.2	0.08	1.3	12.7×0.6	38.4	1987.8
1×630	60/3.75	30.3	2.4	0.08	1.3	19.05×0.6	44.1	2429.1
2×10	7/1.35	4	0.7	0.08	1	9.5×0.5	16.6	193.4
2×16	7/1.70	5	0.7	0.08	1.3	9.5×0.5	18.6	250.7
2×25	7/2.18	6	0.9	0.08	1.3	9.5×0.5	21.4	349.6
2×35	7/2.58	6.9	0.9	0.08	1.3	9.5×0.5	23.2	421.4
2×50	7/3.00	8.2	1	0.08	1.3	12.7×0.6	27.8	576.2

DIMENSIONS

Specification	Conductor Structure	Outer Diameter Of Conductor	Insulation Thickness	Packing Strap	Inner Sheath Thickness	Armour Thickness	Reference Overall Diameter	Reference Weight
		mm	mm	mm	mm	mm	mm	kg/km
2×70	14/2.58	10	1.1	0.08	1.3	12.7×0.6	31.8	768.3
2×95	19/2.58	11.5	1.1	0.08	1.3	12.7×0.6	34.8	960.3
2×120	24/2.58	13	1.2	0.08	1.3	12.7×0.6	38.2	1160.8
2×150	30/2.58	14.5	1.4	0.08	1.3	19.05×0.6	43.6	1402.4
2×185	37/2.58	16	1.6	0.08	1.3	19.05×0.6	47.4	1679
2×240	48/2.58	18.4	1.7	0.08	1.5	19.05×0.7	52.6	2175.1
2×300	60/2.58	20.4	1.8	0.08	1.5	19.05×0.7	57	2606.2
3×10	7/1.35	4	0.7	0.08	1.3	9.5×0.5	17.5	240.3
3×16	7/1.70	5	0.7	0.08	1.3	9.5×0.5	19.6	317
3×25	7/2.18	6	0.9	0.08	1.3	9.5×0.5	22.6	453
3×35	7/2.58	6.9	0.9	0.08	1.3	12.7×0.5	26.2	553.4
3×50	7/3.00	8.2	1	0.08	1.3	12.7×0.6	29.4	753.6
3×70	14/2.58	10	1.1	0.08	1.3	12.7×0.6	33.8	1022.1
3×95	19/2.58	11.5	1.1	0.08	1.3	12.7×0.6	37	1294
3×120	24/2.58	13	1.2	0.08	1.3	12.7×0.6	40.7	1577.5
3×150	30/2.58	14.5	1.4	0.08	1.3	19.05×0.6	46.4	1920.1
3×185	37/2.58	16	1.6	0.08	1.3	19.05×0.7	50.5	2401.6
3×240	48/2.58	18.4	1.7	0.08	1.5	19.05×0.7	56.1	2994.1

DIMENSIONS

Specification	Conductor Structure	Outer Diameter Of Conductor	Insulation Thickness	Packing Strap	Inner Sheath Thickness	Armour Thickness	Reference Overall Diameter	Reference Weight
		mm	mm	mm	mm	mm	mm	kg/km
3×300	60/2.58	20.4	1.8	0.08	1.5	19.05×0.7	60.8	3613.4
4×10	7/1.35	4	0.7	0.08	1.3	9.5×0.5	18.9	292.3
4×16	7/1.70	5	0.7	0.08	1.3	9.5×0.5	21.3	390.5
4×25	7/2.18	6	0.9	0.08	1.3	12.7×0.5	26.3	565.6
4×35	7/2.58	6.9	0.9	0.08	1.3	12.7×0.6	28.5	739.5
4×50	7/3.00	8.2	1	0.08	1.3	12.7×0.6	32.1	944.7
4×70	14/2.58	10	1.1	0.08	1.3	12.7×0.6	36.9	1289.4
4×95	19/2.58	11.5	1.1	0.08	1.3	12.7×0.6	40.6	1645
4×120	24/2.58	13	1.2	0.08	1.3	19.05×0.6	46.3	2012.7
4×150	30/2.58	14.5	1.4	0.08	1.5	19.05×0.7	50.9	2545.9
4×185	37/2.58	16	1.6	0.08	1.5	19.05×0.7	55.5	3071.4
4×240	48/2.58	18.4	1.7	0.08	1.5	19.05×0.7	61.8	3844.7
4×300	60/2.58	20.4	1.8	0.08	1.5	19.05×0.7	67.1	4656.5
5×10	7/1.35	4	0.7	0.08	1.3	9.5×0.5	20.4	345.4
5×16	7/1.70	5	0.7	0.08	1.3	9.5×0.5	23.1	465
5×25	7/2.18	6	0.9	0.08	1.3	12.7×0.6	28.5	724.1
5×35	7/2.58	6.9	0.9	0.08	1.3	12.7×0.6	30.9	886.6
5×50	7/3.00	8.2	1	0.08	1.3	12.7×0.6	34.9	1136.9

DIMENSIONS

Specification	Conductor Structure	Outer Diameter Of Conductor	Insulation Thickness	Packing Strap	Inner Sheath Thickness	Armour Thickness	Reference Overall Diameter	Reference Weight
		mm	mm	mm	mm	mm	mm	kg/km
5×70	14/2.58	10	1.1	0.08	1.3	12.7×0.6	40.3	1560.5
5×95	19/2.58	11.5	1.1	0.08	1.3	19.05×0.6	46	1998.5
5×120	24/2.58	13	1.2	0.08	1.3	19.05×0.7	50.6	2538.2
5×150	30/2.58	14.5	1.4	0.08	1.5	19.05×0.7	55.7	3098
5×185	37/2.58	16	1.6	0.08	1.5	19.05×0.7	60.8	3745.5
5×240	48/2.58	18.4	1.7	0.08	1.5	19.05×0.7	67.9	4701
5×300	60/2.58	20.4	1.8	0.08	1.9	25×0.7	75.4	5705.4
3×16+1×10	7/1.70	5	0.7	0.08	1.3	9.5×0.5	20.7	366
	7/1.35	4	0.7					
3×25+1×16	7/2.18	6	0.9	0.08	1.3	12.7×0.5	25.4	521.3
	7/1.70	5	0.7					
3×35+1×16	7/2.58	6.9	0.9	0.08	1.3	12.7×0.5	27.1	618.6
	7/1.70	5	0.7					
3×50+1×25	7/3.00	8.2	1	0.08	1.3	12.7×0.6	30.6	859.2
	7/2.18	6	0.9					
3×70+1×35	14/2.58	10	1.1	0.08	1.3	12.7×0.6	34.8	1151.7
	7/2.58	6.9	0.9					
3×95+1×50	19/2.58	11.5	1.1	0.08	1.3	12.7×0.6	38.4	1469
	7/3.00	8.2	1					
3×120+1×70	24/2.58	13	1.2	0.08	1.3	19.05×0.6	44.3	1831.3
	14/2.58	10	1.1					
3×150+1×70	30/2.58	14.5	1.4	0.08	1.3	19.05×0.6	47.8	2166.5
	14/2.58	10	1.1					
3×185+1×95	37/2.58	16	1.6	0.08	1.5	19.05×0.7	52.1	2731.1
	19/2.58	11.5	1.1					

DIMENSIONS

Specification	Conductor Structure	Outer Diameter Of Conductor	Insulation Thickness	Packing Strap	Inner Sheath Thickness	Armour Thickness	Reference Overall Diameter	Reference Weight
		mm	mm	mm	mm	mm	mm	kg/km
3×240+1×120	48/2.58	18.4	1.7	0.08	1.5	19.05×0.7	57.9	3405.8
	24/2.58	13	1.2					
3×300+1×150	60/2.58	20.4	1.8	0.08	1.5	19.05×0.7	63	4128.2
	30/2.58	14.5	1.4					
3×16+2×10	7/1.70	5	0.7	0.08	1.3	9.5×0.5	22	417
	7/1.35	4	0.7					
3×25+2×16	7/2.18	6	0.9	0.08	1.3	12.7×0.5	26.9	592.7
	7/1.70	5	0.7					
3×35+2×16	7/2.58	6.9	0.9	0.08	1.3	12.7×0.6	28.4	732.6
	7/1.70	5	0.7					
3×50+2×25	7/3.00	8.2	1	0.08	1.3	12.7×0.6	32.3	970.9
	7/2.18	6	0.9					
3×70+2×35	14/2.58	10	1.1	0.08	1.3	12.7×0.6	36.6	1291.2
	7/2.58	6.9	0.9					
3×95+2×50	19/2.58	11.5	1.1	0.08	1.3	12.7×0.6	40.6	1653.9
	7/3.00	8.2	1					
3×120+2×70	24/2.58	13	1.2	0.08	1.3	19.05×0.6	47.1	2094.9
	14/2.58	10	1.1					
3×150+2×70	30/2.58	14.5	1.4	0.08	1.3	19.05×0.7	50.2	2510.9
	14/2.58	10	1.1					
3×185+2×95	37/2.58	16	1.6	0.08	1.5	19.05×0.7	54.9	3077.9
	19/2.58	11.5	1.1					
3×240+2×120	48/2.58	18.4	1.7	0.08	1.5	19.05×0.7	60.9	3834.7
	24/2.58	13	1.2					
3×300+2×150	60/2.58	20.4	1.8	0.08	1.5	19.05×0.7	66.6	4663
	30/2.58	14.5	1.4					
4×16+1×10	7/1.70	5	0.7	0.08	1.3	9.5×0.5	22.5	440.5
	7/1.35	4	0.7					
4×25+1×16	7/2.18	6	0.9	0.08	1.3	12.7×0.6	27.7	679.2
	7/1.70	5	0.7					

DIMENSIONS

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		mm	mm	mm	mm	mm	mm	kg/km
4×35+1×16	7/2.58	6.9	0.9	0.08	1.3	12.7×0.6	29.6	809
	7/1.70	5	0.7					
4×50+1×25	7/3.00	8.2	1	0.08	1.3	12.7×0.6	33.6	1053.9
	7/2.18	6	0.9					
4×70+1×35	14/2.58	10	1.1	0.08	1.3	12.7×0.6	38.5	1426.5
	7/2.58	6.9	0.9					
4×95+1×50	19/2.58	11.5	1.1	0.08	1.3	19.05×0.6	44.1	1826.2
	7/3.00	8.2	1					
4×120+1×70	24/2.58	13	1.2	0.08	1.3	19.05×0.7	48.9	2357
	14/2.58	10	1.1					
4×150+1×70	30/2.58	14.5	1.4	0.08	1.5	19.05×0.7	53	2805.2
	14/2.58	10	1.1					
4×185+1×95	37/2.58	16	1.6	0.08	1.5	19.05×0.7	57.9	3412.4
	19/2.58	11.5	1.1					
4×240+1×120	48/2.58	18.4	1.7	0.08	1.5	19.05×0.7	64.4	4267.9
	24/2.58	13	1.2					
4×300+1×150	60/2.58	20.4	1.8	0.08	1.5	19.05×0.7	70.2	5184.2
	30/2.58	14.5	1.4					