

19/33 (36)kV Aluminum XLPE Cable



APPLICATION

Medium voltage power cables for distribution networks and generation units, suitable for external installation including in direct in ground and in buried cable ducts. UV Resistant.

CHARACTERISTICS

Voltage Rating U_0/U (Um)

19/33 (36)kV

Temperature Rating

-20° C to +60° C

Permissible Conductor Operating Temperature: +90° C

Permissible Short Circuit Temperature up to 5 sec: 250° C

Minimum Bending Radius

15 x overall diameter

STANDARDS

IEC 60502-2, EN 60228

UV Resistant: ISO 4892-3

Abrasion and Tear Resistant: EN 60229-4.1

Impact rated to: AG2 EN 60364-5.51

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

Class 2 Stranded Aluminium

Conductor Screen

Semi-conductive material

Insulation

XLPE (Cross-Linked Polyethylene)

Insulation Screen

Semi-conductive material (bonded)

Screen

Copper tape

Outer Sheath

PVC (Polyvinyl Chloride)

Sheath Colour

● Black

DIMENSIONS

NO. OF CORE	NOMINAL CROSS SECTIONAL AREA mm2	NOMINAL CONDUCTOR DIAMETER	NOM. THICKNESS SEMI-CON. LAYER		NOMINAL INSULATION THICKNESS	MINIMUM INSULATION THICKNESS	NOMINAL DIAMETER OVER INSULATION
	Conductor	mm	INNER mm	OUTER mm	mm	mm	mm
1	50	8.20	0.80	0.70	10.50	9.35	30.2
1	70	9.70	0.80	0.70	10.50	9.35	31.7
1	95	11.4	0.80	0.70	10.50	9.35	33.4
1	120	12.65	0.80	0.70	10.50	9.35	34.7
1	150	14.4	0.80	0.70	10.50	9.35	35.4
1	185	15.75	0.80	0.70	10.50	9.35	38.2
1	240	18.2	0.80	0.70	10.50	9.35	40.7
1	300	20.5	0.80	0.70	10.50	9.35	43.0
1	400	23.0	0.80	0.70	10.50	9.35	45.5

NOMINAL CROSS SECTIONAL AREA mm2	DIAMETER TAPE SCREEN mm	NOMINAL SHEATH THICKNESS mm	MINIMUM SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	MAXIMUM PULLING TENSION N
50	40*0.12	2.10	1.48	37.6	1342	2000
70	40*0.12	2.20	1.56	39.4	1491	2800
95	40*0.12	2.20	1.56	41.0	1641	3800
120	40*0.12	2.30	1.64	42.6	1797	4800
150	40*0.12	2.30	1.64	44.2	1957	6000
185	40*0.12	2.40	1.72	46.0	2152	7400
240	40*0.12	2.50	1.80	48.5	2437	9600
300	40*0.12	2.50	1.80	50.6	2704	12000
400	40*0.12	2.60	1.88	54.0	3142	16000