

Medium Voltage ABC Cable



APPLICATION

ABC stands for Aerial Bundled Cable, also known as overhead bundled insulated cable. Its standard rated voltages are 6/10(12) kV and 6.35/11 kV. It is a self-supporting cable constructed by stranding three insulated phase cores together with an ACSR (Aluminum Conductor Steel Reinforced) messenger neutral wire that bears the mechanical tension. It replaces conventional bare overhead conductors and is applied to main and branch lines of medium-voltage overhead distribution networks.

CHARACTERISTICS

Voltage Rating U_0/U

6/10(12) kV

Operating Temperature

-40°C to +90°C

STANDARDS

IEC 60502-2、BS 7870、AS/NZS 3599

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

Aluminium conductor

Insulation

XLPE

Sheath

PVC

Sheath Colour

Black; customization is available

ELECTRICAL CHARACTERISTICS

Specification	Conductor	Outer Diameter Of Conductor	Insulation Thickness	Outer Diameter	Weight	Maximum Direct Current Resistance
		mm	mm	mm	kg/km	MΩ/km
10/2	6/1.47	4.1	3.4	12.1	138.6	3.08
	1/1.5					
16/3	6/1.86	5.2	3.4	13.2	174.9	1.91
	1/1.85					
25/4	6/2.35	6.5	3.4	14.5	228.7	1.2
	1/2.32					
35/6	6/2.76	7.6	3.4	15.6	281.1	0.868
	1/2.72					
50/8	6/3.22	8.9	3.4	16.9	347.3	0.641
	1/3.20					
70/10	6/3.87	10.7	3.4	18.7	452.1	0.443
	1/3.80					
95/15	26/2.19	12.8	3.4	21	586.9	0.32
	7/1.67					
95/20	24/2.28	13	3.4	21.2	616.9	0.32
	7/1.85					
120/20	26/2.46	14.3	3.4	22.5	701.5	0.253
	7/1.85					
150/20	24/2.84	15.7	3.4	23.9	792.1	0.206
	7/1.85					
185/25	24/3.18	17.6	3.4	25.8	960.3	0.164
	7/2.10					
185/30	26/3.05	17.8	3.4	26	1005.2	0.164
	7/2.32					
240/30	24/3.64	20.1	3.4	28.3	1206.2	0.125
	7/2.40					
300/25	48/2.88	22.1	3.4	30.3	1358.2	0.1
	7/2.22					