



• Application

These 0.6/1kV single-core AWA (Aluminum Wire Armoured) Polyvinyl Chloride (PVC) insulated power cables are suitable for fixed laying on distribution lines with AC 50Hz and rated voltages of 1 kV and below. They are designed to efficiently transmit electric energy across various applications.

• Performance

Electrical Performance: Rated U_0/U : 0.6/1kV, ensuring reliable power transmission within specified voltage ranges.

Chemical Performance: Exhibits resistance to chemicals, UV rays, and oils, bolstering longevity and reliability.

Mechanical Performance: Minimum bending radius of 15 times the overall diameter facilitates flexibility and installation.

Terminal Performance:

Maximum Service Temperature: 70°C

Maximum Short-Circuit Temperature: 250°C (max. 5s)

Minimum Service Temperature: 0°C

Fire Performance:

Flame Retardant: Complies with IEC/EN 60332-1-2 standard for enhanced fire safety.

Reduced Emission of Halogens Chlorine: <15%

• Construction

Conductor: Class 2 stranded copper or aluminum conductor for optimal conductivity and flexibility.

Insulation: PVC (Polyvinyl Chloride) insulation provides excellent electrical properties and thermal stability.

Separator: Polyester Tape acts as a separator between the conductor and the insulation, ensuring proper insulation integrity.

Bedding: PVC (Polyvinyl Chloride) bedding offers additional protection and insulation.

Armoring: AWA (Aluminum Wire Armour) provides robust mechanical protection against external forces.

Sheath: PVC (Polyvinyl Chloride) sheath ensures overall protection and durability.

Core Identification: Available in brown or blue for easy identification of the cable cores.

Sheath Colour: Black, providing added protection and a uniform appearance.

• Specification

-BS 6346, armored cables with thermosetting insulation for voltage ratings up to and including 33 kV

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Single-core 600/1000V cables with circular stranded copper conductor							
Nominal Cross Section Area	No./ Dia.of AWA	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Alum Wire Armor Dia.	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Cable Weight
mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
1x50	19/1.78	1.4	0.8	1.25	1.5	19.1	820
1x70	19/2.14	1.4	0.8	1.25	1.6	21.1	1070
1x95	19/2.52	1.6	0.8	1.25	1.6	23.4	1390
1x120	37/2.03	1.6	1.0	1.6	1.7	26.3	1600
1x150	37/2.25	1.8	1.0	1.6	1.7	28.3	1900
1x185	37/2.52	2.0	1.0	1.6	1.8	30.8	2450
1x240	61/2.25	2.2	1.0	1.6	1.9	34.1	3100
1x300	61/2.52	2.4	1.0	1.6	1.9	37.0	3760
1x400	61/2.85	2.6	1.2	2.0	2.1	42.0	4850
1x500	61/3.20	2.8	1.2	2.0	2.1	45.6	5930
1x630	61/3.65	2.8	1.2	2.0	2.2	49.7	7390
1x800	127/2.85	2.8	1.4	2.5	2.4	55.8	9400
1x1000	127/3.20	3.0	1.4	2.5	2.5	61.0	11430

Single-core 600/1000V cables with solid aluminum conductor									
Nominal Cross Section Area	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Alum Wire Armor Dia.	Armour Strip		Nominal Sheath Thickness	Approx. Overall Diameter		Approx. Cable Weight
				Thickness	Width		Wire Armor	Strip Armor	
mm ²	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1x50	1.4	0.8	1.25	0.6	2.4	1.5	17.8	16.5	530
1x70	1.4	0.8	1.25	0.6	2.4	1.6	19.6	18.3	650
1x95	1.6	0.8	1.25	0.6	2.4	1.6	21.7	20.4	810
1x120	1.6	1	1.6	0.6	2.4	1.7	24.3	22.3	960
1x150	1.8	1	1.6	0.6	2.4	1.7	26.1	24.1	1115
1x185	2	1	1.6	1	3.6	1.8	28.3	27.1	1315
1x240	2.2	1	1.6	1	3.6	1.9	31.2	30	1610
1x300	2.4	1	1.6	1	3.6	1.9	33.7	32.5	1890