Application

0.6/1kV single core AWA 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 to transmit electric energy.

Performance

Electrical performance U_0/U:0.6/1kV
Chemical performance :chemical,UV&oil resistance
Mechanical performance: minimum bending radius:15 x overall di ameter
Terminal performance :
-Maximum service temperature:70℃
-Maximum short-circuit temperature: 250℃(Max.5s)
-Minimum service temperature:0℃
Fire performance:
-Flame retardant according to IEC/EN 60332-1-2 standard
-Reduced emission of halogens chlorine <15%

Construction

Conductor: Class 2 stranded copper or aluminum conductor
Insulation:PVC(Polyvinyl chloride)
Separator: Polyester Tape
Bedding: PVC(Polyvinyl chloride)
Armoring: AWA(Aluminum wire armour)
Sheath: PVC(Polyvinyl chloride)
Core Identification:Red or Black
Sheath Colour: Black

Specification

-IEC/EN 60502-1, IEC/EN 60228 Standard

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 Rhineland 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

Nominal Cross Section Area	Conductor Dia. (Approx.)	PVC Insulation Thickness	Dia. of Armored Wire	PVC Sheath Thickness	Overall Dia. (Approx.)	Weight of Cable (Approx.)	
						Copper	Aluminum
mm^2	mm	mm	mm	mm	mm	kg/km	kg/km
*1.5	1.38	0.8	0.8	1.8	10.2	138.6	--
*2.5	1.78	0.8	0.8	1.8	10.6	156.4	141.5
*4	2.25	1	0.8	1.8	11.5	190.7	166.6
6	2.76	1	0.8	1.8	12	219.1	--
*6	2.83	1	0.8	1.8	12	--	186.1
10	4.05	1	0.8	1.8	13.3	283.2	222.6
16	5.1	1	0.8	1.8	14.3	358.9	262.4
25	5.9	1.2	0.8	1.8	15.5	471	320
35	6.9	1.2	0.8	1.8	16.5	580.5	370.1
50	8.1	1.4	1.3	1.8	19	781.8	497.2
70	9.7	1.4	1.3	1.8	20.6	1013.4	598.8
95	11.4	1.6	1.3	1.8	22.7	1308.9	736.6
120	12.9	1.6	1.6	1.8	24.9	1621.2	897.3
150	14.2	1.8	1.6	1.8	26.6	1921.8	1034
185	15.9	2	1.6	1.8	28.7	2326.9	1214.4
240	18.3	2.2	1.6	1.9	31.7	2954.4	1494.3
300	20.4	2.4	2	2	35.2	3682.5	1857.3
400	23.2	2.6	2	2.1	39	4656.3	2289.7
500	26.3	2.8	2	2.2	42.7	5782.7	2766.5
630	30	2.8	2	2.4	46.8	7234	3342.4
800	34	2.8	2.5	2.5	52.4	9186.6	4218.4