



• Application

Ideal for urban networks, primary and medium voltage distribution circuits in industrial and commercial settings, as well as for powering electric power generators, transformers, motors, and equipment.

• Advantage

Excellent tensile strength
High resistance to impact and abrasion
Outstanding resistance to sunlight, weather, humidity, ozone, acids, alkalis, and other sub-chemical substances at normal temperatures
Low dielectric constant, low loss factor, and high insulation resistance
Flame-retardant cover for enhanced safety

• Performance

Voltage: 5 kV, 8 kV, 15 kV, 25 kV, 35 kV
Maximum service temperature: 90 °C
Emergency overload temperature: 130 °C
Short circuit temperature: 250 °C
Flexibility: Compacted conductor

• Construction

Conductor: Compacted copper conductor per ASTM B496 or ASTM B835
Internal Semiconductor Screen: Extruded directly onto the conductor
Insulation: Fire retardant cross-linked polyethylene (XLPE-TR) for XAT, Ethylene Propylene Rubber (EPR) for EAT. Both compounds are natural in color and applied using a true triple extrusion process. Insulation level can be 100%.
External Semiconductor Screen: Extruded with optimal adhesion to the insulation for easy peeling
Metal Screen: Formed by either copper tape or helically applied copper wires
Outer Cover: Black PVC, with other colors and compounds available upon request

• Specification

-ICEA S-93-639

• 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

XAT 15KV 100% Insulation Level										
Conductor Gauge	Nominal Section	Approx. Conductor Dia.	Nominal Insulation Thickness	Approx. Total Dia.	Approx. Cable Weight	Max. D.C. Resistance At 20 °C	Capacity	Buried in Duct 3 Conductors Temp. with	Directly Buried 3 Conductors Temp. With	Directly Buried 3 Conductors Temp. with
AWG/kcmil	mm ²	mm	mm	mm	kg/km	Ω/km	μF/km	20°C	20°C	40°C
2	33,6	6,9	4,45	23,8	846	0,531	0,17	155	210	170
1	42,4	7,7	4,45	24,6	947	0,423	0,18	175	240	195
1/0	53,5	8,7	4,45	25,6	1.076	0,335	0,19	200	275	225
2/0	67,4	9,7	4,45	26,6	1.23	0,266	0,20	230	310	260
3/0	85	10,9	4,45	28,0	1.432	0,211	0,22	260	355	300
4/0	107	12,2	4,45	29,5	1.67	0,167	0,24	295	405	345
250	127	13,2	4,45	30,4	1.872	0,141	0,25	325	440	380
350	177	15,5	4,45	33,2	2.423	0,101	0,28	390	535	470
500	253	18,6	4,45	36,6	3.205	0,0708	0,33	465	650	580
750	380	23,0	4,45	41,2	4.48	0,0472	0,39	565	805	730
1000	507	27,0	4,45	46,9	5.946	0,0354	0,44	640	930	850

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AWG/kcmil	mm ²	mm	mm	mm	kg/km	Ω/km	μF/km	20°C	20°C	40°C
1	42,4	7,7	6,6	29,0	1.168	0,423	0,14	175	240	195
1/0	53,5	8,7	6,6	30,0	1.304	0,335	0,15	200	275	225
2/0	67,4	9,7	6,6	31,1	1.468	0,266	0,16	230	310	260
3/0	85	10,9	6,6	32,5	1.679	0,211	0,17	260	355	300
4/0	107	12,2	6,6	34,3	1.957	0,167	0,18	295	405	345
250	127	13,2	6,6	35,2	2.166	0,141	0,19	325	440	380
350	177	15,5	6,6	37,6	2.703	0,101	0,21	390	535	470
500	253	18,6	6,6	41,1	3.508	0,0708	0,24	465	650	580
750	380	23,0	6,6	47,2	5.019	0,0472	0,29	565	805	730
1000	507	27,0	6,6	51,7	6.373	0,0354	0,32	640	930	850