

# Product Specifications

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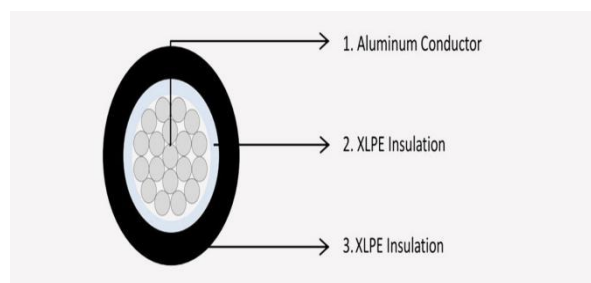


## TREE WIRE-ICEA S-61-402

### *Standard*

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- ASTM B230- B232
- ASTM B398- B400



### *Application*

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- Aerial Bundle Cable used in overhead power system mainly for public distribution or service as a service drop wire. It offers higher level of safety and reliability and lower power losses than bare conductors.
- Voltage Rating of aerial bundled cables is mainly  $U_0/U_m$  0.6/1kV(1.2kV) or 600V (phase to phase).
- All the cables are insulated with weather-resistant XLPE, PE or PVC compounds. Normal service conductor temperature rating is of 70°C, 75°C or 90°C, etc.

### *Features*

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- ABC cable offers higher level of safety and reliability and lower power losses than bare conductors.
- Other important cable characteristics are ultraviolet radiation resistance, high dielectric strength, light and easy to handle



# Product Specifications

15KV-2Layer-ACSR Core							
Size	Stranding No.	Conductor dia.	Insulation thickness	Outer sheath thickness	Approx. Cable . Dia.	Approx. Cable Weight	Rated strength
AWG/kcmil	No.s	mm	mm	mm	mm	kg/km	KN
4	6/1	6.35	1.9	1.9	14	202	7.9
2	6/1	8.03	1.9	1.9	15.6	274	12
1/0	6/1	10.11	1.9	1.9	17.7	379	18.5
2/0	6/1	11.35	1.9	1.9	19	451	22.4
3/0	6/1	12.75	1.9	1.9	20.4	539	28
4/0	6/1	14.3	1.9	1.9	21.9	643	35.3
266.8	18/1	15.47	1.9	1.9	23.1	656	29.1
266.8	26/7	16.31	1.9	1.9	23.9	673	47.7
336.4	26/7	18.29	1.9	1.9	25.9	826	59.5
336.4	30/7	18.82	1.9	1.9	26.4	924	73.1
397.5	24/7	19.61	1.9	1.9	27.2	906	61.7
397.5	26/7	19.89	1.9	1.9	27.5	960	68.8
477	26/7	21.79	1.9	1.9	29.4	1134	82.3
477	30/7	22.43	1.9	1.9	30	1271	100.5
556.5	24/7	23.22	1.9	1.9	30.8	1232	83.6
556.5	26/7	23.55	1.9	1.9	31.2	1307	95.4
636	24/7	24.82	1.9	1.9	32.4	1393	92.9
636	26/7	25.15	1.9	1.9	32.8	1478	106.4
795	26/7	28.14	2	1.9	36.3	1836	133

# Product Specifications

795	45/7	27	2	2	35.1	1534	93.3
15KV-2Layer-AAC Core							
Size	Stranding No.	Conductor dia.	Insulation thickness	Outer sheath thickness	Approx. Cable Dia.	Approx. Cable Weight	Rated strength
AWG/kcmil	No.s	mm	mm	mm	mm	kg/km	KN
1/0	7	8.53	1.9	1.9	16.2	292	8
2/0	7	9.55	1.9	1.9	17.2	342	10
3/0	7	10.74	1.9	1.9	18.4	405	12.2
4/0	7	12.07	1.9	1.9	19.7	484	15.3
266.8	19	13.64	1.9	1.9	21.3	576	19.9
336.4	19	15.32	1.9	1.9	22.9	693	24.6
397.5	19	16.74	1.9	1.9	24.4	796	28.4
477	19	18.34	1.9	1.9	26	927	33.4
556.5	37	19.81	1.9	1.9	27.4	1054	39.8
636	37	21.21	1.9	1.9	28.8	1182	45.6

15KV-3Layer-AAAC Core								
Size	Stranding No.	Conductor dia.	Conductor Shield Thickness	Insulation thickness	Outer sheath thickness	Approx. Cable Dia.	Approx. Cable Weight	Rated strength
AWG/kcmil	No.s	mm	mils	mm	mm	mm	kg/km	KN
4	7	6.35	0.4	1.9	1.9	14.7	204	7
2	7	8.03	0.4	1.9	1.9	16.4	266	11.2
1/0	7	10.11	0.4	1.9	1.9	18.5	359	17.8
2/0	7	11.35	0.4	1.9	1.9	19.7	421	21.6
3/0	7	12.75	0.4	1.9	1.9	21.1	497	27.2
4/0	7	14.3	0.4	1.9	1.9	22.7	591	34.2
266.8	19	16.31	0.4	1.9	1.9	24.7	704	44
336.4	19	18.29	0.4	1.9	1.9	26.7	845	53.2
397.5	19	19.89	0.4	1.9	1.9	28.3	966	62.4
477	19	21.79	0.4	1.9	1.9	30.2	1124	75.2
556.5	19	23.55	0.5	1.9	1.9	32.2	1330	87.6
636	37	25.15	0.5	1.9	1.9	33.8	1433	97.6