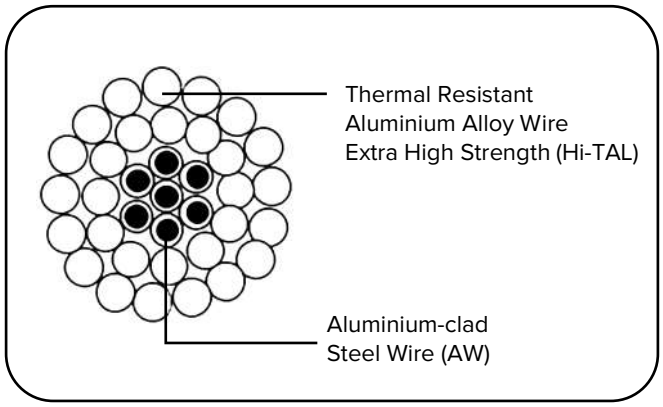
Hi-TACSR AW CONDUCTOR



HIGH STRENGTH-THERMAL RESISTANT ALUMINIUM ALLOY CONDUCTOR, ALUMINUM CLAD STEEL REINFORCED - (HI-TACSR/AW)

Conductor Size	Stranding				Cross-Sectional Area			Conductor Diameter	Weight	Rated Strength		DC Resistance @ 20°C	Current Capacity	
	No. of Wires		Wire diameter		HiTAL	Steel	Total		Total	High Strength	Extra High Strength		@ 85°C	@ 150°C
	HiTAL	Steel	HiTAL	Steel										
(mm^2)	(No.)	(No.)	(mm)	(mm)	(mm^2)	(mm^2)	(mm^2)	(mm)	(Kg/Km)	(KN)	(KN)	(Ω/Km)	(Ampere)	(Ampere)
58	6	1	3.50	3.50	57.73	9.62	67.35	10.5	221.8	24.9	26.7	0.5380	193	320
80	6	1	4.20	4.20	83.13	13.85	96.98	12.6	319.4	33.5	36.7	0.3737	240	404
80	15	4	2.60	2.60	79.64	21.24	100.88	13.0	361.6	45.2	48.6	0.3647	245	413
95	6	1	4.50	4.50	95.43	15.90	111.33	13.5	366.7	37.9	42.1	0.3255	261	442
100	15	4	2.90	2.90	99.08	26.42	125.50	14.5	449.9	56.0	60.2	0.2932	280	475
120	15	4	3.20	3.20	120.64	32.17	152.81	16.0	547.8	67.7	71.9	0.2408	315	538

HIGH STRENGTH-THERMAL RESISTANT ALUMINIUM ALLOY CONDUCTOR, ALUMINUM CLAD STEEL REINFORCED - (HI-TACSR/AW)

Conductor Size	Stranding				Cross-Sectional Area			Conductor Diameter	Weight	Rated Strength		DC Resistance @ 20°C	Current Capacity	
	No. of Wires		Wire diameter		HiTAL	Steel	Total		Total	High Strength	Extra High Strength		@ 85°C	@ 150°C
	HiTAL	Steel	HiTAL	Steel										
(mm^2)	(No.)	(No.)	(mm)	(mm)	(mm^2)	(mm^2)	(mm^2)	(mm)	(Kg/Km)	(KN)	(KN)	(Ω/Km)	(Ampere)	(Ampere)
120	30	7	2.30	2.30	124.64	29.08	153.72	16.1	536.2	64.9	69.6	0.2363	341	583
160	30	7	2.60	2.60	159.28	37.17	196.45	18.2	685.3	84.1	90.1	0.1849	396	682
200	30	7	2.90	2.90	198.16	46.24	244.40	20.3	852.6	104.0	111.4	0.1486	452	785
240	30	7	3.20	3.20	241.27	56.30	297.57	22.4	1038.1	125.7	133.0	0.1220	508	891
330	26	7	4.00	3.10	326.73	52.83	379.56	25.3	1251.9	141.2	148.0	0.0925	598	1059
410	26	7	4.50	3.50	413.51	67.35	480.86	28.5	1587.6	169.8	182.6	0.0730	689	1234
480	45	7	3.70	2.47	483.85	33.54	517.39	29.6	1559.0	156.9	162.2	0.0646	727	1307
520	54	7	3.50	3.50	519.54	67.35	586.89	31.5	1882.8	202.0	214.8	0.0589	771	1394
560	54	19	3.63	2.18	558.85	70.92	629.77	32.7	2016.7	219.8	233.3	0.0548	804	1461
610	54	7	3.80	3.80	612.42	79.39	691.81	34.2	2219.4	234.9	250.8	0.0500	849	1549
630	54	19	3.85	2.31	628.65	79.63	708.28	34.7	2267.6	245.2	257.9	0.0487	862	1575
680	45	7	4.40	2.90	684.24	46.24	730.48	35.1	2196.8	209.4	216.8	0.0457	889	1629
680	54	7	4.00	4.00	678.59	87.96	766.55	36.0	2459.1	258.3	275.9	0.0451	901	1654
710	54	19	4.09	2.45	709.47	89.57	799.04	36.8	2557.2	267.1	281.5	0.0432	924	1700
800	54	19	4.34	2.61	798.85	101.65	900.50	39.1	2884.6	301.7	318.0	0.0384	989	1833
810	45	7	4.80	3.20	814.30	56.30	870.60	38.4	2622.8	242.6	250.0	0.0384	984	1821
1120	72	19	4.45	1.78	1119.81	47.28	1167.09	44.5	3411.0	308.7	317.7	0.0282	1180	2229
1160	84	7	4.20	4.20	1163.77	96.98	1260.75	46.2	3863.0	365.6	387.9	0.0268	1220	2314
1250	84	19	4.35	2.61	1248.39	101.65	1350.04	47.9	4130.4	402.9	419.1	0.0250	1266	2415
1520	84	7	4.80	4.80	1520.03	126.67	1646.70	52.8	5045.6	453.5	491.5	0.0205	1404	2722