



ACCC[®] CONNECTORS

Connecting the first Energy Efficient HTLS Overhead Conductors

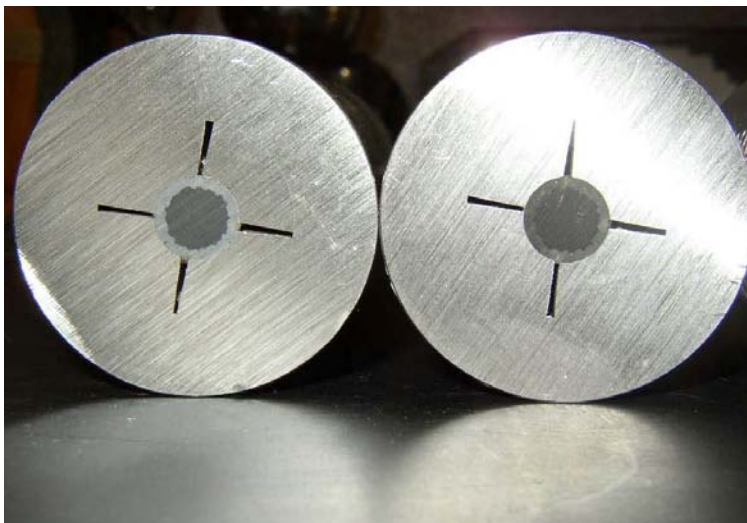


- ACCC[®] has higher rated tensile strength compared with conductors of equivalent diameter
- ACCC[®] has higher ampacity (higher aluminum cross-sectional area – leads to lower ultimate temperatures) compared with conductors of equivalent diameter
- ACCC[®] has a composite core (epoxy, glass fibers and carbon fibers)
- ACCC[®] has annealed outer aluminum strands

ROBUST CONNECTOR DESIGN



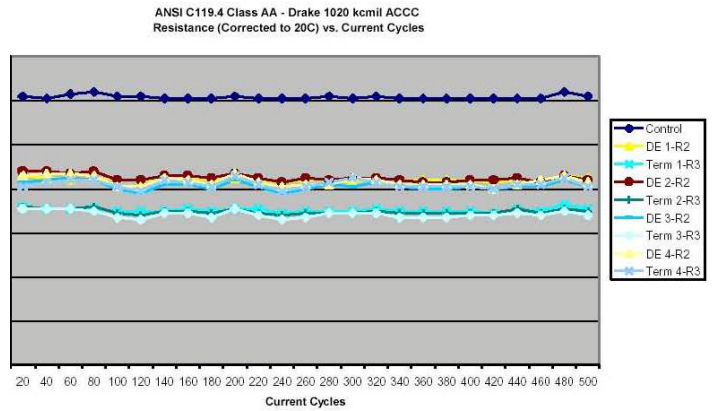
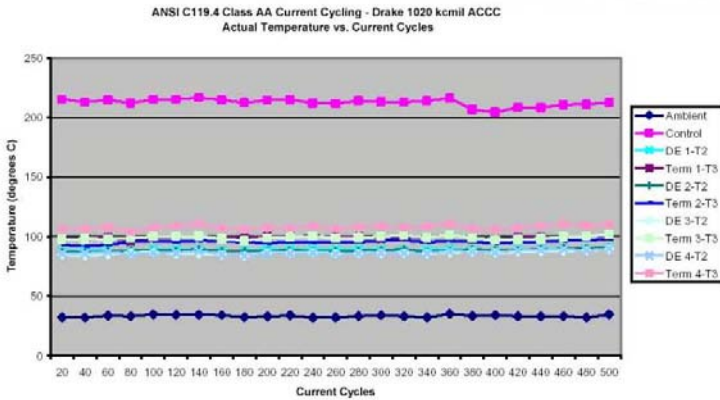
- ***Cross Sections and lengths***



Cross Section
After Pull Test

Electrical (High Ampacity):

- ANSI C119.4 Class AA, 500 cycles
- 1550 A as tested for Drake equivalent diameter
- IEC Class A at high ampacity
- ANSI C119.7 (TBD)



Environmental:

- ASTM B117 Salt Fog Test

No ingress of salt fog into Dead ends and Terminals after 1000 hours



INSTALLATION



ACCC[®] Conductor Fittings / Dead End and Splice Assemblies

ACCC [®] /TW		Conductor Diameter		Core Diameter		Conductor Rated Strength		Dead End *	Splice	
Part No.	Code Name	in	mm	in	mm	lbf	kN	Part No.	Part No.	
Small Family	200-003-160	Helsinki	0.616	15.65	0.235	5.97	15,500	69.1	5600-1024	5600-2024
	200-003-165	Bern	0.610	15.50	0.190	4.82	12,000	53.3	5600-1008	5600-2008
	200-003-219	Linnet	0.720	18.29	0.235	5.97	16,300	72.7	5600-1020	5600-2020
	200-003-230	Copenhagen	0.720	18.29	0.235	5.97	16,400	72.9	5600-1022	5600-2022
	200-005-245	Glasgow	0.769	19.53	0.305	7.75	25,900	115.3	5600-1044	5600-2044
	200-004-285	Casablanca	0.807	20.50	0.280	7.11	22,700	101.1	5600-1028	5600-2028
	200-004-310	Hawk	0.858	21.79	0.280	7.11	23,200	103.2	5600-1030	5600-2030
	200-004-325	Lisbon	0.857	21.78	0.280	7.11	23,300	103.7	5600-1032	5600-2032
	200-005-360	Dove	0.927	23.55	0.305	7.75	27,500	122.8	5600-1040	5600-2040
	200-005-380	Amsterdam	0.927	23.55	0.305	7.75	27,600	122.8	5600-1042	5600-2042
	200-006-414	Grosbeak	0.990	25.15	0.320	8.13	30,400	135.2	5600-1050	5600-2050
200-006-430	Brussels	0.990	25.14	0.320	8.13	30,600	136.1	5600-1052	5600-2052	
Medium Family	200-008-325	Oslo	0.882	22.40	0.345	8.76	33,300	148.1	5600-1026	5600-2026
	200-008-470	Stockholm	1.039	26.40	0.345	8.76	35,200	156.5	5600-1054	5600-2054
	200-008-530	Warsaw	1.091	27.72	0.345	8.76	35,800	159.1	5600-1056	5600-2056
	200-007-517	Drake	1.108	28.14	0.375	9.53	41,100	182.8	5600-1060	5600-2060
	200-007-540	Dublin	1.108	28.15	0.375	9.53	41,300	183.5	5600-1062	5600-2062
	200-008-570	Hamburg	1.127	28.62	0.345	8.76	36,300	161.3	5600-1058	5600-2058
	200-008-590	Milan	1.146	29.10	0.345	8.76	36,500	162.4	5600-1064	5600-2064
	200-007-610	Rome	1.177	29.89	0.375	9.53	42,200	187.5	5600-1066	5600-2066
	200-008-619	Cardinal	1.196	30.38	0.345	8.76	37,100	165.0	5600-1070	5600-2070
	200-008-650	Vienna	1.198	30.42	0.345	8.76	37,300	165.9	5600-1072	5600-2072
	200-007-690	Budapest	1.240	31.50	0.375	9.53	43,100	191.7	5600-1074	5600-2074
	200-008-710	Prague	1.251	31.77	0.345	8.76	38,100	169.4	5600-1076	5600-2076
	200-007-760	Munich	1.293	32.85	0.375	9.53	43,900	195.4	5600-1078	5600-2078
	200-009-780	London	1.315	33.40	0.385	9.78	46,100	205.2	5600-1079	5600-2079
	200-008-797	Bittern	1.345	34.16	0.345	8.76	39,300	174.8	5600-1080	5600-2080
200-008-840	Paris	1.345	34.17	0.345	8.76	39,700	176.4	5600-1082	5600-2082	
Large Family	200-009-970	Antwerp	1.451	36.85	0.385	9.78	48,500	215.7	5600-1088	5600-2088
	200-009-996	Lapwing	1.504	38.20	0.385	9.78	49,000	218.0	5600-1090	5600-2090
	200-011-1060	Falcon	1.504	38.20	0.415	10.54	58,200	259.1	5600-1094	5600-2094
	200-009-1050	Madrid	1.504	38.20	0.385	9.78	49,400	219.7	5600-1092	5600-2092
	200-010-1136	Chukar	1.602	40.69	0.395	10.03	52,700	234.4	5600-1100	5600-2100
	200-011-1382	Bluebird	1.762	44.75	0.415	10.54	59,800	266.0	5600-1110	5600-2110

* When ordering dead ends add the below notation to the end of the part number to specify which type of kit is required:

S - denotes small size family dead end with non-cast terminal pad

NT - denotes all family sizes of dead end without terminal pad

D - denotes all family sizes of dead end with a double pad

C - denotes all family sizes of dead end with a clevis bolt instead of the standard eyebolt

Examples:

5600-1032	Lisbon single pad dead-end assembly kit - with eyebolt and cast terminal pad
5600-1032S	Lisbon single pad dead-end assembly kit - with eyebolt and non-cast terminal pad
5600-1032NT	Lisbon single pad dead-end assembly kit - with eyebolt and without terminal pad
5600-1032D	Lisbon double pad dead-end assembly kit - with eyebolt and cast terminal pad
5600-1032DS	Lisbon double pad dead-end assembly kit - with eyebolt and non-cast terminal pad
5600-1032DNT	Lisbon double pad dead-end assembly kit - with eyebolt and without terminal pad
5600-1032C	Lisbon single pad dead-end assembly kit - with clevis and cast terminal pad
5600-1032CS	Lisbon single pad dead-end assembly kit - with clevis and non-cast terminal pad
5600-1032CNT	Lisbon single pad dead-end assembly kit - with clevis and without terminal pad
5600-1032DC	Lisbon double pad dead-end assembly kit - with clevis and cast terminal pad
5600-1032DCS	Lisbon double pad dead-end assembly kit - with clevis and non-cast terminal pad
5600-1032DCNT	Lisbon double pad dead-end assembly kit - with clevis and without terminal pad