

Standard Compression Accessories for Stranded Aluminum Conductors



Dead Ends

Designed in the mid-1920s, the Standard Dead End is a full tension device designed to attach the conductor to the line structure while maintaining the electrical current.

- ANSI C119.4 Class A qualified.
- Designed for full tension use, maintaining a minimum of 95% of the ASTM rated strength of the conductor.
- Steel eye can be oriented in the field prior to installation.
- Tongue is manufactured with a 15° angle.
- Permanent markings for ease of installation and identification.
- Felt washer between the eye and aluminum body provides water protection.

Compression Joints

The Standard Joint is a full tension device designed to join two conductors together in mid-span.

- ANSI C119.4 Class A qualified.
- Designed for full tension use, maintaining a minimum of 95% of the ASTM rated strength of the conductor.
- Permanent markings for ease of installation and identification.

Repair Sleeves

The Repair Sleeve will restore the conductor to 95% of its rated strength, where up to 1/3 of the aluminum strands are damaged.

- ANSI C119.4 Class A qualified.
- Permanent markings for ease of installation and identification.

Terminal Connectors

Terminal Connectors are limited tension devices used to maintain the electrical current through a line junction (also known as paddle, spade, lug or jumper).

- ANSI C119.4 Class A qualified.
- Designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.
- Standard NEMA pad spacing.
- Both sides of the pad are finished, creating excellent contact surfaces.
- Available in straight, 15 and 90 degree angles.
- Permanent markings for ease of installation and identification.

AFL has the industry's most complete line of compression accessories. This includes dead ends, joints, repair sleeves, jumper connectors, terminal connectors, tee connectors and tee taps. Compression accessories are available in sizes and strandings to fit the following types of conductors: ACSR, AAC, AAAC, ACAR, EHS ACSR, AWAC, Alumoweld® and steel ground wire. For accessory applications of uncommon conductors, contact the AFL Technical Support Team at 1.800.866.7385.

All compression accessories are designed to operate at a temperature 15% to 25% cooler than the conductor. Standard compression accessories are designed for conductor operating temperatures up to 120° C (248° F). For applications exceeding this operating temperature, see the HiTemp® Compression Accessories Catalog.

Quick Reference Guide for Standard Compression Accessories for ACSR Conductors

Conductor				Compression Accessories Catalog Numbers													
Code Word	Size	Standing	Dia.	Dead End Assembly	Dead End Body Single Tongue	Steel Component		15° Terminal Connector	Joint Assembly	Aluminum Joint	Steel Joint	Jumper Connector	Straight Terminal Connector	90° Terminal Connector	Repair Sleeve	Tee Tap Open Run	Tee Connector Open Run
	kmil	Al/St	in			Steel Eye	Steel Clevis										
Grouse	80.0	8/1	0.367	C33101	8174.4385	—	102.17	5174.438	33005	8074.438	4075.179	5074.438	5674.438	5874.438	5274.2	5374.2	5574.2-74.438
Raven	1/0	6/1	0.398	C33102	8174.438	—	100.14	5174.438	33006	8074.438	4074.148	5074.438	5674.438	5874.438	5274	5374	5574 -74.438
Quail	2/0	6/1	0.447	C33103	8174.484	—	100.16	5174.484	33007	8074.484	4074.160	5074.484	5674.484	5874.438	5274	5374	5574 -74.436
Pigeon	3/0	6/1	0.502	C33104	8175.547	—	102.17	5175.547	33008	8075.547	4075.179	5075.547	5675.547	5875.547	5275	5375	5575 -75.547
Penguin	4/0	6/1	0.563	C33105	8175.609	—	102.20	5175.609	33009	8075.609	4075.228	5075.609	5675.609	5875.609	5275	5375	5575 -75.609
Waxwing	266.8	18/1	0.609	C33106	8176.656	—	101.13	5176.656	33010	8076.656	4074.132	5076.656	5676.656	5876.656	5276	5376	5576 -76.656
Owl	266.8	6/7	0.633	C33107	8176.688	—	103.22	5176.688	33011	8076.688	4076.221	5076.688	5676.688	5876.688	5276	5376	5576 -76.688
Partridge	266.8	26/7	0.642	C33108	8176.688	—	103.25	5176.688	33012	8076.688	4076.246	5076.688	5676.688	5876.688	5276	5376	5576 -76.688
Ostrich	300.0	26/7	0.680	C33109	8176.719	—	103.26	5176.719	33081	8076.719	4076.261	5076.719	5676.719	5876.719	5276	5376	5576 -76.719
Merlin	336.4	18/1	0.684	C33110	8176.719	—	101.14	5176.719	33013	8076.719	4074.148	5076.719	5676.719	5876.719	5276	5376	5576 -76.719
Linnet	336.4	26/7	0.720	C33111	8176.781	—	103.28	5176.781	—	8076.781	4076.277	5076.781	5676.781	5876.781	5276	5376	5576 -76.781
Chickadee	397.5	18/1	0.743	C33112	8176.781	—	101.16	5176.781	33016	8020.781	4074.160	5076.781	5676.781	5876.781	5276	5376	5576 -76.781
Linnet	336.4	26/7	0.720	E33113	8120.781	9110.277	—	5120.781	33014	8020.781	4010.277	5020.781	5620.781	5820.781	5220.3	5320.3	5520.3-20.781
Oriole	336.4	30/7	0.741	E33114	8120.781	9110.332	—	5120.781	33015	8020.781	4010.332	5020.781	5620.781	5820.781	5220.3	5320.3	5520.3-20.781
Chickadee	397.5	18/1	0.743	E33115	8120.781	9174.160	—	5120.781	33016	8020.781	4074.16	5020.781	5620.781	5820.781	5220.3	5320.3	5520.3-20.781
Brant	397.5	24/7	0.772	E33116	8120.812	9110.261	—	5120.812	33082	8020.812	4010.261	5020.812	5620.812	5820.812	5220.3	5320.3	5520.3-20.812
Ibis	397.5	26/7	0.783	E33117	8120.844	9110.302	—	5120.844	33017	8020.844	4010.302	5020.844	5620.844	6820.844	5220.3	5320.3	5520.3-20.844
Lark	397.5	30/7	0.806	E33118	8120.844	9112.359	—	5120.844	33018	8020.844	4012.359	5020.844	5620.844	5820.844	5220.3	5320.3	5520.3-20.844
Pelican	477.0	18/1	0.814	E33119	8124.875	9175.179	—	5124.875	33020	8024.875	4075.179	5024.875	5624.675	5824.875	5224.3	5324.3	5524.3-24.875
Flicker	477.0	24/7	0.846	E33120	8124.938	9110.295	—	5124.938	33021	8024.938	4010.295	5024.938	5624.938	5824.938	5224.3	5324.3	5524.3-24.938
Hawk	477.0	26/7	0.858	E33121	8124.938	9112.332	—	5124.938	33022	8024.938	4012.332	5024.938	5624.938	5824.938	5224.3	5324.3	5524.3-24.938
Hen	477.0	30/7	0.883	E33122	8124.938C	9212.397	—	5124.938	33023	8024.938	4012.397	5024.938	5624.938	5824.938	5224.3	5324.3	5524.3-24.938
Osprey	556.5	18/1	0.879	E33123	8124.938C	9275.188	—	5124.938	33024	8024.938	4075.188	5024.938	5624.936	5824.938	5224.3	5324.3	5524.3-24.938
Parakeet	556.5	24/7	0.914	E33124	8124.969	9210.316	—	5124.969	33025	8024.969	4010.316	5024.969	5624.969	5824.969	5224.3	5324.3	5524.3-24.969
Dove	556.5	26/7	0.927	E33125	8124.969	9212.359	—	5124.969	33026	8024.969	4012.359	5024.969	5624.969	5824.969	5224.3	5324.3	5524.3-24.969
Eagle	556.5	30/7	0.953	E33126	8127.100	9314.432	—	5127.100	33027	8027.100	4014.432	5027.100	5627.100	5827.100	5227.3	5327.3	5527.3-27.100
Peacock	605.0	24/7	0.953	E33127	8127.100	9212.332	—	5127.100	33028	8027.100	4012.332	5027.100	5627.100	5827.100	5227.3	5327.3	5527.3-27.100
Squab	605.0	26/7	0.966	E33128	8127.100	9212.377	—	5127.100	33029	8027.100	4012.377	5027.100	5627.100	5827.100	5227.3	5327.3	5527.3-27.100
Teal	605.0	30/19	0.994	E33129	8127.106	9314.441	—	5127.106	33030	8027.106	4014.441	5027.106	5727.106	5827.106	5227.3	5327.3	5527.3-27.106
Swift	636.0	36/1	0.930	E33130	8127.100	9274.148	—	5127.100	33083	8027.100	4074.148	5027.100	5627.100	5827.100	5227.3	5327.3	5527.3-27.100
Kingbird	636.0	18/1	0.940	E33131	8127.100	9275.203	—	5127.100	33031	8027.100	4075.228	5027.100	5627.100	5827.100	5227.3	5327.3	5527.3-27.100
Rook	636.0	24/7	0.977	E33132	8127.106	9212.344	—	5127.106	33032	8027.106	4012.344	5027.106	5627.108	5827.106	5227.3	5327.3	5527.3-27.106
Grosbeak	636.0	26/7	0.990	E33133	8127.106	9212.386	—	5127.106	33033	8027.106	4012.386	5027.106	5627.106	5827.106	5227.3	5327.3	5527.3-27.106
Egret	636.0	30/19	1.019	E33134	8127.106	9314.453	—	5127.106	33034	8027.106	4014.453	5027.106	5627.106	5827.106	5227.3	5327.3	5527.3-27.106
Flamingo	666.6	24/7	1.000	E33135	8127.106	9212.351	—	5127.106	33035	8027.106	4012.351	5027.106	5627.106	5827.106	5227.3	5327.3	5527.3-27.106
Stilt	715.5	24/7	1.036	E33136	8130.109	9312.359	—	5130.109	33084	8030.109	4012.359	5030.109	5630.109	5830.109	5230.3	5330.3	5530.3-30.109

ORG—STANDARD COMPRESSION



Quick Reference Guide for Standard Compression Accessories for ACSR Conductors (cont.)

Conductor				Compression Accessories Catalog Numbers													
Code Word	Size	Standing	Dia.	Dead End Assembly	Dead End Body Single Tongue	Steel Component		15° Terminal Connector	Joint Assembly	Aluminum Joint	Steel Joint	Jumper Connector	Straight Terminal Connector	90° Terminal Connector	Repair Sleeve	Tee Tap Open Run	Tee Connector Open Run
	kcml	Al/St	in			Steel Eye	Steel Clevis										
Starling	715.5	26/7	1.051	E33137	8130.109	9314.406	—	5130.109	33037	8030.109	4014.406	5030.109	5630.109	5830.109	5230.3	5330.3	5530.3-30.109
Redwing	715.5	30/19	1.081	E33138	8130.116	9316.500	—	5130.116	33038	8030.116	4016.500	5030.116	5630.116	5830.116	5230.3	5330.3	5530.3-30.116
Coot	795.0	36/1	1.040	E33139	8130.109	9374.160	—	5130.109	33039	8030.109	4074.160	5030.109	5630.109	5830.109	5230.3	5330.3	5530.3-30.109
Tern	795.0	45/7	1.063	E33140	8130.116	9310.277	—	5130.116	33040	8030.116	4010.277	5030.116	5630.116	5830.116	5230.3	5330.3	5530.3-30.116
Condor	795.0	54/7	1.093	E33141	8130.116	9312.386	—	5130.116	33042	8030.116	4012.386	5030.116	5630.116	5830.116	5230.1	5330.3	5530.3-30.116
Drake	795.0	26/7	1.108	E33142	8130.116	9314.432	—	5130.116	33043	8030.116	4014.432	5030.116	5630.116	5830.116	5230.3	5330.3	5530.3-30.116
Mallard	795.0	30/19	1.140	E33143	8130.122	9416.516	—	5130.122	33044	8030.122	4016.516	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Cuckoo	795.0	24/7	1.092	E33141	8130.116	9312.386	—	5130.116	33085	8030.116	4012.386	5030.116	5630.116	5830.116	5230.3	5330.3	5530.3-30.116
Ruddy	900.0	45/7	1.131	E33145	8130.122	9310.302	—	5130.122	33047	8030.122	4010.302	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Canary	900.0	54/7	1.162	E33146	8130.122	9414.406	—	5130.122	33046	8030.122	4014.406	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Catbird	954.0	36/1	1.140	E33147	8130.122	9475.179	—	5130.122	33086	8030.122	4075.179	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Rail	954.0	45/7	1.165	E33148	8130.122	9410.302	—	5130.122	33047	8030.122	4010.302	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Cardinal	954.0	54/7	1.196	E33150	8130.125	9414.422	—	5130.125	33049	8030.125	4014.422	5030.125	5630.125	5830.125	5230.3	5330.3	5530.3-30.125
Tanager	1033.5	36/1	1.186	E33151	8130.125	9475.184	—	5130.125	33087	8030.125	4075.179	5030.125	5630.125	5830.125	5230.3	5330.3	5530.3-30.125
Ortolan	1033.5	45/7	1.212	E33152	8134.128	9410.316	—	5134.128	33050	8034.128	4010.316	5034.128	5634.128	5834.128	5234.3	5334.3	5534.3-34.128
Curlew	1033.5	54/7	1.244	E33154	8134.134	9414.432	—	5134.134	33052	8034.134	4014.432	5034.134	5634.134	5834.134	5234.3	5334.3	5534.3-34.134
Bluejay	1113.0	45/7	1.259	E33155	8134.134	9412.332	—	5134.134	33053	8034.134	4012.332	5034.134	5634.134	5834.134	5234.3	5334.3	5534.3-34.134
Bunting	1192.5	45/7	1.302	E33158	8134.138	E9512.344	—	5134.138	33056	8034.138	4012.344	5034.138	5634.138	5834.138	5234.3	5334.3	5534.3-34.138
Bittern	1272.0	45/7	1.345	E33161	8136.144	E9512.351	—	5136.144	33059	8036.144	4012.351	5036.144	5636.144	5836.144	5236.3	5336.3	5536.3-36.144
Pheasant	1272.0	54/19	1.382	E33163	8136.147	E9616.500	—	5136.147	33061	8036.147	4016.500	5036.147	5636.147	5836.147	5236.3	5336.3	5536.3-36.147
Dipper	1351.5	45/7	1.386	E33164	8136.147	E9612.377	—	5136.147	33062	8036.147	4012.377	5036.147	5636.147	5836.147	5236.3	5336.3	5536.3-36.147
Martin	1351.5	54/19	1.424	E33166	8138.150	E9616.500	—	5138.150	33064	8038.150	4016.500	5038.150	5638.150	5838.150	5238.3	5338.3	5538.3-38.150
Bobolink	1431.0	45/7	1.427	E33167	8138.150	E9612.377	—	5138.150	33065	8038.150	4012.377	5038.150	5638.150	5838.150	5238.3	5338.3	5538.3-38.150
Plover	1431.0	54/19	1.465	E33169	8138.156	E9616.516	—	5138.156	33067	8038.156	4016.516	5038.156	5638.156	5838.156	5238.3	5338.3	5538.3-38.156
Nuthatch	1510.5	45/7	1.466	E33170	8138.156	E9612.386	—	5138.156	33068	8038.156	4012.386	5038.156	5638.156	5838.156	5238.3	5338.3	5538.3-38.156
Parrot	1510.5	54/19	1.506	E33172	8140.162	E9616.531	—	5140.162	33070	8040.162	4016.531	5040.162	5640.162	5840.162	5240.3	5340.3	5540.3-40.162
Lapwing	1590.0	45/7	1.504	E33173	8140.162	E9612.397	—	5140.162	33071	8040.162	4012.397	5040.162	5640.162	5840.162	5240.3	5340.3	5540.3-40.162
Falcon	1590.0	54/19	1.545	E33174	8140.162	E9718.546	—	5140.162	33072	8040.162	4018.546	5040.162	5640.162	5840.162	5240.3	5340.3	5540.3-40.162
Chukar	1780.0	84/19	1.602	E33175	8142.178	E9714.453	—	5142.178	33073	8042.178	4014.453	5042.178	5642.178	5842.178	5242.3	5342.3	5542.3-42.178
-----	2034.0	72/7	1.681	E33177	8142.178C	E9814.359	—	5142.178	33075	8042.178	4014.359	5042.178	5642.178	5842.178	5244.3	5344.3	5544.3-44.175
Bluebird	2156.0	84/19	1.762	E33178	8144.184	E9816.516	—	5144.184	33076	8044.184	4016.516	5044.184	5644.184	5844.184	5244.3	5344.3	5544.3-44.184
Kiwi	2167.0	72/7	1.737	E33179	8144.181	E9812.377	—	5144.181	33077	8044.181	4012.377	5044.181	5644.181	5844.181	5244.3	5344.3	5544.3-44.181
Thrasher	2312.0	76/19	1.802	E33181	8144.188	E9814.422	—	5144.188	33078	8044.188	4014.422	5044.188	5644.188	5844.188	5244.3	5344.3	5544.3-44.188
Joree	2515.0	76/19	1.880	E33182	8148.197	E9814.453	—	5148.197	33080	8048.197	4014.453	5048.197	5648.197	5848.197	5248.3	5348.3	5548.3-48.197

QRG—STANDARD COMPRESSION