

Quick Compress Accessories for Maximim Conductor Operating Temperatures of 100°C (212°F)



In the past, three separate compression accessory series were required to connect ACSR, AAC, AAAC and ACAR. To assist utilities and distributors in reducing inventory, AFL designed one series of compression accessories that can handle all four conductor types, the Quick Compress Product Line. Quick Compress handles these conductors while maintaining the same mechanical and electrical reliability as other AFL product lines.

There are two primary characteristics that make Quick Compress different from any other accessory line. First, it is made of a high strength aluminum alloy, which has a minimum tensile strength nearly twice that of other compression accessory systems. This means that for the same conductor size, smaller connectors can be used without any fear of sacrificing strength. Secondly, Quick Compress uses an aluminum 'core grip' to hold the steel core of ACSR. This eliminates the need to have a dead end steel compression barrel or a steel sleeve for full tension ACSR joints. By eliminating the steel, only one set of dies is required for installing Quick Compress Accessories.

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 100°C (212°F). For applications exceeding 100°C (212°F) operating temperature, see the HiTemp® Compression Accessories section.

Features

Installs in 40% Less Time

Quick Compress Accessories are designed to save valuable time. They are made of a high strength alloy allowing for shorter accessories resulting in fewer compression bites. The accessories come pre-filled, the steel eye is pre-compressed and a one-piece core grip is included. Compared to other two-die accessory systems, Quick Compress Accessories can be installed in 40% less time.

One-Piece Core Grip

When using ACSR conductor, the one-piece core grip eliminates the need for a dead end steel compression barrel or a steel sleeve for full tension compression joints.

Factory Installed Eye

The dead end features a steel eye that is oriented and installed at the factory. This decreases installation time and eliminates costly field errors.

Factory Pre-filled

Quick Compress dead ends, joints, terminals and jumper connectors are pre-filled with AFL Filler Compound (AFC) and capped to prevent loss of compound prior to installation, eliminating an installation step.

High Voltage Applications

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15° terminals for these section sizes. The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Quick Reference Guide for Quick Compress Accessories for ACSR Conductor

CODE WORD	CONDUCTOR			COMPRESSION ACCESSORIES													
	SIZE	STRANDING	DIA.	DEAD END ASSEMBLIES						JOINT	JUMPER CONNECTOR	TERMINAL CONNECTORS			OPEN RUN TEE CONNECTOR	OPEN RUN TEE TAP	REPAIR SLEEVE
	KCMIL	AL/ST	IN	VERT. EYE SINGLE TONGUE	HOR. EYE SINGLE TONGUE	VERT. EYE DOUBLE TONGUE	HOR. EYE DOUBLE TONGUE	ADJ. EYE SINGLE TONGUE	ADJ. CLEVIS SINGLE TONGUE			STRAIGHT	15°	90°			
Waxwing	266.8	18/1	0.609	VES072	HES072	VED072	HED072	AES072	ACS072	CJ072	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
Owl	266.8	6/7	0.633	VES075	HES075	VED075	HED075	AES075	ACS075	CJ075	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
Partridge	266.8	26/7	0.642	VES076	HES076	VED076	HED076	AES076	ACS076	CJ076	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
Ostrich	300.0	26/7	0.680	VES085	HES085	VED085	HED085	AES085	ACS085	CJ085	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Merlin	336.4	18/1	0.684	VES082	HES082	VED082	HED082	AES082	ACS082	CJ082	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Linnet	336.4	26/7	0.720	VES086	HES086	VED086	HED086	AES086	ACS086	CJ086	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Oriole	336.4	30/7	0.741	VES096	HES096	VED096	HED096	AES096	ACS096	CJ096	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Chickadee	397.5	18/1	0.743	VES083	HES083	VED083	HED083	AES083	ACS083	CJ083	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Brant	397.5	24/7	0.772	VES095	HES095	VED095	HED095	AES095	ACS095	CJ095	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Ibis	397.5	26/7	0.783	VES096	HES096	VED096	HED096	AES096	ACS096	CJ096	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Lark	397.5	30/7	0.806	VES106	HES106	VED106	HED106	AES106	ACS106	CJ106	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Pelican	477.0	18/1	0.814	VES092	HES092	VED092	HED092	AES092	ACS092	CJ092	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Flicker	477.0	24/7	0.846	VES095	HES095	VED095	HED095	AES095	ACS095	CJ095	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Hawk	477.0	26/7	0.858	VES105	HES105	VED105	HED105	AES105	ACS105	CJ105	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Hen	477.0	30/7	0.883	VES116	HES116	VED116	HED116	AES116	ACS116	CJ116	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Osprey	556.5	18/1	0.879	VES102	HES102	VED102	HED102	AES102	ACS102	CJ102	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Parakeet	556.5	24/7	0.914	VES105	HES105	VED105	HED105	AES105	ACS105	CJ105	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Dove	556.5	26/7	0.927	VES106	HES106	VED106	HED106	AES106	ACS106	CJ106	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Eagle	556.5	30/7	0.953	VES117	HES117	VED117	HED117	AES117	ACS117	CJ117	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Peacock	605.0	24/7	0.953	VES115	HES115	VED115	HED115	AES115	ACS115	CJ115	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Squab	605.0	26/7	0.966	VES116	HES116	VED116	HED116	AES116	ACS116	CJ116	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Teal	605.0	30/19	0.994	VES126	HES126	VED126	HED126	AES126	ACS126	CJ126	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Swift	636.0	36/1	0.930	VES101	HES101	VED101	HED101	AES101	ACS101	CJ101	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Kingbird	636.0	18/1	0.940	VES103	HES103	VED103	HED103	AES103	ACS103	CJ103	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Root	636.0	24/7	0.978	VES115	HES115	VED115	HED115	AES115	ACS115	CJ115	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Grosbeak	636.0	26/7	0.990	VES116	HES116	VED116	HED116	AES116	ACS116	CJ116	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Egret	636.0	30/19	1.019	VES126	HES126	VED126	HED126	AES126	ACS126	CJ126	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Flamingo	666.6	24/7	1.000	VES115	HES115	VED115	HED115	AES115	ACS115	CJ115	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Stilt	715.5	24/7	1.036	VES115	HES115	VED115	HED115	AES115	ACS115	CJ115	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Starling	715.5	26/7	1.051	VES126	HES126	VED126	HED126	AES126	ACS126	CJ126	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Redwing	715.5	30/19	1.081	VES136	HES136	VED136	HED136	AES136	ACS136	CJ136	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Coot	795.0	36/1	1.040	VES111	HES111	VED111	HED111	AES111	ACS111	CJ111	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Tern	795.0	45/7	1.063	VES123	HES123	VED123	HED123	AES123	ACS123	CJ123	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Cuckoo	795.0	24/7	1.092	VES125	HES125	VED125	HED125	AES125	ACS125	CJ125	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Condor	795.0	54/7	1.092	VES125	HES125	VED125	HED125	AES125	ACS125	CJ125	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Drake	795.0	26/7	1.108	VES126	HES126	VED126	HED126	AES126	ACS126	CJ126	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Mallard	795.0	30/19	1.140	VES146	HES146	VED146	HED146	AES146	ACS146	CJ146	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Ruddy	900.0	45/7	1.131	VES124	HES124	VED124	HED124	AES124	ACS124	CJ124	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Canary	900.0	54/7	1.162	VES135	HES135	VED135	HED135	AES135	ACS135	CJ135	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Catbird	954.0	36/1	1.140	VES121	HES121	VED121	HED121	AES121	ACS121	CJ121	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Rail	954.0	45/7	1.165	VES133	HES133	VED133	HED133	AES133	ACS133	CJ133	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Cardinal	954.0	54/7	1.196	VES135	HES135	VED135	HED135	AES135	ACS135	CJ135	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Tanger	1033.5	36/1	1.186	VES131	HES131	VED131	HED131	AES131	ACS131	CJ131	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Ortolan	1033.5	45/7	1.212	VES134	HES134	VED134	HED134	AES134	ACS134	CJ134	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13

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	SIZE	STRANDING	DIA.	DEAD END ASSEMBLIES						JOINT	JUMPER CONNECTOR	TERMINAL CONNECTORS			OPEN RUN TEE CONNECTOR	OPEN RUN TEE TAP	REPAIR SLEEVE
	KCMIL	AL/ST	IN	VERT. EYE SINGLE TONGUE	HOR. EYE SINGLE TONGUE	VERT. EYE DOUBLE TONGUE	HOR. EYE DOUBLE TONGUE	ADJ. EYE SINGLE TONGUE	ADJ. CLEVIS SINGLE TONGUE			STRAIGHT	15°	90°			
Curlwe	1033.5	54/7	1.246	VES145	HES145	VED145	HED145	AES145	ACS145	CJ145	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Bluejay	1113.0	45/7	1.259	VES143	HES143	VED143	HED143	AES143	ACS143	CJ143	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Finch	1113.0	54/19	1.293	VES145	HES145	VED145	HED145	AES145	ACS145	CJ145	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Bunting	1192.5	45/7	1.302	VES144	HES144	VED144	HED144	AES144	ACS144	CJ144	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Grackle	1192.5	54/19	1.333	VES155	HES155	VED155	HED155	AES155	ACS155	CJ155	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Bittern	1272.0	45/7	1.345	VES153	HES153	VED153	HED153	AES153	ACS153	CJ153	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Pheasant	1272.0	54/19	1.382	VES155	HES155	VED155	HED155	AES155	ACS155	CJ155	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Dipper	1351.5	45/7	1.386	VES154	HES154	VED154	HED154	AES154	ACS154	CJ154	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Martin	1351.5	54/19	1.424	VES155	HES155	VED155	HED155	AES155	ACS155	CJ155	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Bobolink	1431.0	45/7	1.427	VES163	HES163	VED163	HED163	AES163	ACS163	CJ163	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Plover	1431.0	54/19	1.465	VES165	HES165	VED165	HED165	AES165	ACS165	CJ165	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Nuthatch	1510.5	45/7	1.466	VES164	HES164	VED164	HED164	AES164	ACS164	CJ164	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Parrot	1510.5	54/19	1.505	VES165	HES165	VED165	HED165	AES165	ACS165	CJ165	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Lapwing	1590.0	45/7	1.504	VES164	HES164	VED164	HED164	AES164	ACS164	CJ164	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Falcon	1590.0	54/19	1.545	VES175	HES175	VED175	HED175	AES175	ACS175	CJ175	JC17	TS17	TF17	TN17	TTOC17	TTOP17	RS17
Chukar	1780.0	84/19	1.602	VES174	HES174	VED174	HED174	AES174	ACS174	CJ174	JC17	TS17	TF17	TN17	TTOC17	TTOP17	RS17
—	2034.0	72/7	1.681	VES183	HES183	VED183	HED183	AES183	ACS183	CJ183	JC18	TS18	TF18	TN18	TTOC18	TTOP18	RS18
Bluebird	2156.0	84/19	1.762	VES194	HES194	VED194	HED194	AES194	ACS194	CJ194	JC19	TS19	TF19	TN19	TTOC19	TTOP19	RS19
Kiwi	2167.0	72/7	1.735	VES193	HES193	VED193	HED193	AES193	ACS193	CJ193	JC19	TS19	TF19	TN19	TTOC19	TTOP19	RS19
Thrasher	2312.0	76/19	1.802	VES193	HES193	VED193	HED193	AES193	ACS193	CJ193	JC19	TS19	TF19	TN19	TTOC19	TTOP19	RS19
Joree	2515.0	76/19	1.880	VES203	HES203	VED203	HED203	AES203	ACS203	CJ203	JC20	TS20	TF20	TN20	TTOC20	TTOP20	RS20

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