



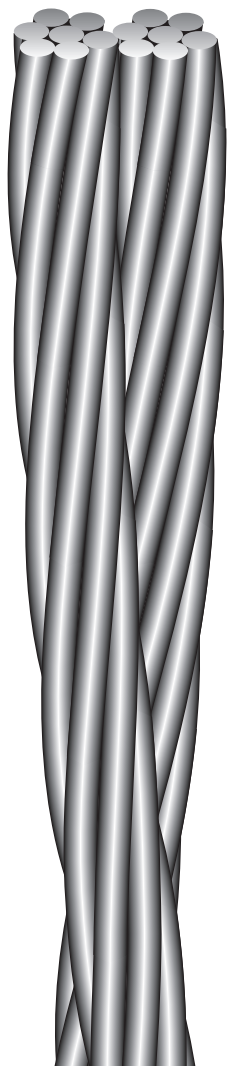
ZTACSR/VR2® VIBRATION-RESISTANT CABLE



Putting innovation on the line.

VR2® CONDUCTOR – Southwire Company, LLC’s twisted pair conductor design – provides vibration and galloping resistance without the schedule delays associated with bagging problems during installation. Now, Southwire’s ZTACSR/VR2 conductor provides higher thermal resistance allowing for greater ampacity without having to increase conductor size.

Get the performance you expect, and more



TRUSTED PERFORMANCE – same anti-galloping and Aeolian vibration-resistant characteristics as ACSR/VR2 conductor

THERMALLY RESISTANT ALUMINUM-ZIRCONIUM – proven alloy historically used in other conductor applications

210°C CONTINUOUS / 240°C EMERGENCY THERMAL RATING – highest operating temperatures in the industry for twisted pair conductors

GOOD CONDUCTIVITY – 60% IACS

HIGH TEMPERATURE HARDWARE – uses the same high temperature hardware as ACSS conductor (sizes must be verified by hardware manufacturer)on. That’s why they’ve designed new features into SAG10 Version 4.1 with you in mind.

CORROSION-RESISTANT – extended conductor life through use of a mischmetal steel core coating

CORE OPTIONS – available in standard, high-strength and HS285® overhead conductor

SIZE OPTIONS – 2 x #4 AWG – 2 x 1113 kcmil

ADDITIONAL OPTIONS – trapezoidal-shaped wire (TW), non-specular (NS)

Technical Specifications

ZTACSR/VR2® VIBRATION-RESISTANT CABLE

CONSTRUCTION

Southwire Company’s ZTACSR/VR2 conductor is composed of two identical bare conductors twisted together. This varying profile disrupts the wind forces that cause conductor vibration, which helps to reduce galloping due to ice and wind. ZTACSR/VR2 is available with multiple conductor types, and in sizes up to 2 x 1113 kcmil.

APPLICATIONS

ZTACSR/VR2 conductor is designed for overhead applications subject to aeolian vibration and galloping due to ice and wind. ZTACSR/VR2 can be installed to the maximum allowable tension limits without the need for additional vibration protection.

FIND OUT MORE TODAY

The ZTACSR/VR2 design is a patented Southwire exclusive. Visit www.southwire.com/industries/utility for more information.



ZTACSR/VR2® VIBRATION-RESISTANT CABLE

Code Word	Closest Std Size (AWG or kcmil)	Construction	Stranding		Outer Dimensions (in)	Equivalent Diameter (in)	Total Weight (lb/1000 ft)	Rated Breaking Strength (lb)	Resistance (Ω/mi)		Ampacity @ 210°C (amp)
			Al-Zr	Steel					DC @ 20°C	AC @ 210°C	
Partridge/ZTACSR/VR2	477.0 & 556.5	2 x 266.8-26/7	26 x 0.1013"	7 x 0.0788"	0.642 x 1.284	1.051	734	23,200	0.1715	0.3019	1352
Waxwing/ZTACSR/VR2	477.0 & 556.5	2 x 266.8-18/1	18 x 0.1217"	1 x 0.1217"	0.609 x 1.218	0.997	579	13,920	0.1731	0.3054	1322
Ostrich/ZTACSR/VR2	605.0	2 x 300.0-26/7	26 x 0.1074"	7 x 0.0835"	0.680 x 1.360	1.113	824	26,000	0.1525	0.2687	1460
Linnet/ZTACSR/VR2	636.0	2 x 336.4-26/7	26 x 0.1137"	7 x 0.0885"	0.720 x 1.440	1.178	925	29,200	0.1360	0.2398	1574
Merlin/ZTACSR/VR2	636.0	2 x 336.4-18/1	18 x 0.1367"	1 x 0.1367"	0.684 x 1.368	1.119	730	17,320	0.1373	0.2426	1539
Oriole/ZTACSR/VR2	636.0	2 x 336.4-30/7	30 x 0.1059"	7 x 0.1059"	0.741 x 1.482	1.213	1053	36,000	0.1350	0.2379	1596
Ibis/ZTACSR/VR2	795.0	2 x 397.5-26/7	26 x 0.1236"	7 x 0.0961"	0.783 x 1.566	1.281	1093	34,000	0.1151	0.2033	1757
Lark/ZTACSR/VR2	795.0	2 x 397.5-30/7	30 x 0.1151"	7 x 0.1151"	0.806 x 1.612	1.319	1244	42,600	0.1143	0.2016	1781
Flicker/ZTACSR/VR2	954.0	2 x 477.0-24/7	24 x 0.1410"	7 x 0.0940"	0.846 x 1.692	1.385	1227	35,600	0.0963	0.1707	1968
Hawk/ZTACSR/VR2	954.0	2 x 477.0-26/7	26 x 0.1354"	7 x 0.1053"	0.858 x 1.716	1.404	1312	40,400	0.0959	0.1698	1982
Hen/ZTACSR/VR2	954.0	2 x 477.0-30/7	30 x 0.1261"	7 x 0.1261"	0.883 x 1.766	1.445	1493	51,200	0.0952	0.1684	2009
Pelican/ZTACSR/VR2	954.0	2 x 477.0-18/1	18 x 0.1628"	1 x 0.1628"	0.814 x 1.628	1.332	1035	24,000	0.0968	0.1719	1936
Dove/ZTACSR/VR2	1113.0	2 x 556.5-26/7	26 x 0.1463"	7 x 0.1138"	0.927 x 1.854	1.517	1530	47,200	0.0822	0.1460	2193
Eagle/ZTACSR/VR2	1113.0	2 x 556.5-30/7	30 x 0.1362"	7 x 0.1362"	0.953 x 1.906	1.560	1741	59,200	0.0816	0.1448	2223
Osprey/ZTACSR/VR2	1113.0	2 x 556.5-18/1	18 x 0.1758"	1 x 0.1758"	0.879 x 1.758	1.439	1207	28,000	0.0830	0.1479	2141
Parakeet/ZTACSR/VR2	1113.0	2 x 556.5-24/7	24 x 0.1523"	7 x 0.1015"	0.914 x 1.828	1.496	1432	41,400	0.0826	0.1468	2177
Squab/ZTACSR/VR2	1192.5	2 x 605.0-26/7	26 x 0.1525"	7 x 0.1186"	0.966 x 1.932	1.581	1664	51,200	0.0756	0.1346	2316
Wood Duck/ZTACSR/VR2	1192.5	2 x 605.0-30/7	30 x 0.1420"	7 x 0.1420"	0.994 x 1.988	1.627	1893	63,400	0.0751	0.1334	2348
Grosbeak/ZTACSR/VR2	1272.0	2 x 636.0-26/7	26 x 0.1564"	7 x 0.1216"	0.990 x 1.980	1.622	1749	53,400	0.0719	0.1282	2393
Rook/ZTACSR/VR2	1272.0	2 x 636.0-24/7	24 x 0.1628"	7 x 0.1085"	0.977 x 1.954	1.599	1637	46,800	0.0722	0.1289	2375
Scoter/ZTACSR/VR2	1272.0	2 x 636.0-30/7	30 x 0.1456"	7 x 0.1456"	1.019 x 2.038	1.668	1990	66,600	0.0714	0.1271	2426
Flamingo/ZTACSR/VR2	1351.5	2 x 666.6-24/7	24 x 0.1667"	7 x 0.1111"	1.000 x 2.000	1.637	1715	49,200	0.0689	0.1231	2449
Gannet/ZTACSR/VR2	1351.5	2 x 666.6-26/7	26 x 0.1601"	7 x 0.1245"	1.014 x 2.028	1.660	1833	56,000	0.0686	0.1225	2468
Redwing/ZTACSR/VR2	1431.0	2 x 715.5-30/19	30 x 0.1544"	19 x 0.0926"	1.081 x 2.162	1.769	2220	73,400	0.0635	0.1134	2619
Starling/ZTACSR/VR2	1431.0	2 x 715.5-26/7	26 x 0.1659"	7 x 0.1290"	1.051 x 2.102	1.720	1967	60,000	0.0639	0.1144	2584
Stilt/ZTACSR/VR2	1431.0	2 x 715.5-24/7	24 x 0.1727"	7 x 0.1151"	1.036 x 2.072	1.696	1841	52,800	0.0642	0.1150	2565
Condor/ZTACSR/VR2	1590.0	2 x 795.0-54/7	54 x 0.1213"	7 x 0.1213"	1.092 x 2.184	1.787	2045	59,000	0.0578	0.1102	2668
Cuckoo/ZTACSR/VR2	1590.0	2 x 795.0-24/7	24 x 0.1820"	7 x 0.1213"	1.092 x 2.184	1.787	2046	58,600	0.0578	0.1039	2746
Drake/ZTACSR/VR2	1590.0	2 x 795.0-26/7	26 x 0.1749"	7 x 0.1360"	1.108 x 2.216	1.812	2186	66,800	0.0575	0.1034	2766
Mallard/ZTACSR/VR2	1590.0	2 x 795.0-30/19	30 x 0.1628"	19 x 0.0977"	1.140 x 2.280	1.866	2467	81,000	0.0572	0.1025	2806
Terrn/ZTACSR/VR2	1590.0	2 x 795.0-45/7	45 x 0.1329"	7 x 0.0886"	1.063 x 2.126	1.740	1790	44,000	0.0583	0.1113	2631
Canary/ZTACSR/VR2	1780.0	2 x 900.0-54/7	54 x 0.1291"	7 x 0.1291"	1.162 x 2.324	1.902	2316	66,200	0.0511	0.0978	2893
Ruddy/ZTACSR/VR2	1780.0	2 x 900.0-45/7	45 x 0.1414"	7 x 0.0943"	1.131 x 2.262	1.851	2026	49,400	0.0515	0.0988	2852
Cardinal/ZTACSR/VR2	1843.0	2 x 954.0-54/7	54 x 0.1329"	7 x 0.1329"	1.196 x 2.392	1.984	2454	70,200	0.0482	0.0925	3018
Rail/ZTACSR/VR2	1843.0	2 x 954.0-45/7	45 x 0.1456"	7 x 0.0971"	1.165 x 2.330	1.907	2148	52,400	0.0486	0.0934	2962
Curlew/ZTACSR/VR2	2057.0	2 x 1033.5-54/7	54 x 0.1383"	7 x 0.1383"	1.245 x 2.490	2.038	2659	76,000	0.0445	0.0857	3164
Ortolan/ZTACSR/VR2	2057.0	2 x 1033.5-45/7	45 x 0.1515"	7 x 0.1010"	1.212 x 2.424	1.984	2327	56,800	0.0448	0.0866	3118
Finch/ZTACSR/VR2	2167.0	2 x 1113.0-54/19	54 x 0.1436"	19 x 0.0862"	1.293 x 2.586	2.115	2858	80,800	0.0415	0.0803	3310
Bittern/ZTACSR/VR2	2515.0	2 x 1272.0-45/7	45 x 0.1681"	7 x 0.1121"	1.345 x 2.690	2.201	2863	69,000	0.0364	0.0715	3555

Notes
Ampacity based on 210°C cond. temp., 25°C ambient temp., 2 ft/s perpendicular wind, 0.5 emissivity, 0.5 absorptivity, 60 Hz, clear atmosphere, sea level, 30° N. latitude, N-S line azimuth, noon on June 10th.

ADDITIONAL SIZES AND SPECIFICATIONS AVAILABLE IN THE PRODUCT CATALOG ON WWW.SOUTHWIRE.COM/INDUSTRIES/UTILITY