



POWER KABEL INC.

ACAR - Aluminum Conductor. Aluminum Alloy Reinforced

APPLICATIONS & FEATURES

Used as bare overhead transmission cable and as primary and secondary distribution cable. A good strength-to-weight ratio makes ACAR applicable where both ampacity and strength are prime considerations in line design; for equal weight, ACAR offers higher strength and ampacity than ACSR.

INDUSTRY COMPLIANCES

- B230 Aluminum 1350-H19 Wire for Electrical Purposes.
- B398 Aluminum-Alloy 6201-T81 Wire for Electrical Purposes.
- B524 Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Alloy Reinforced (ACAR, 1350/6201).

CONSTRUCTION

Aluminum 1350-H19 wires, concentrically stranded about an aluminum-alloy 6201-T81 core. Although the alloy strands generally comprise the core of the conductor, in some constructions they are distributed in layers throughout the aluminum 1350-H19 strands

CODE WORD	AWG	STRANDING	DIAMETER		POUNDS PER 1000 FT	RATED STRENGTH (LBS)
			INDIVIDUAL WIRES	COMPLETE CABLE		
Peachbell	6	7	.0612	.184	25	563
Rose	4	7	.0772	.232	39	881
Iris	2	7	.0974	.292	62	1350
Pansy	1	7	.1093	.328	78	1640
Poppy	1/0	7	.1228	.368	99	1990
Aster	2/0	7	.1379	.414	125	2510
Phlox	3/0	7	.1548	.464	157	3040
Oxlip	4/0	7	.1739	.522	198	3830
Sneezewort	250	7	.189	.567	234	4520
Valerian	250	19	0.1147	0.574	234	4660
Daisy	266.8	7	0.1952	0.586	250	4830
Laurel	266.8	19	0.1185	0.592	250	4970
Peony	300	19	0.1257	0.628	281	5480
Tulip	336.4	19	0.1331	0.665	315	6150
Daffodil	350	19	0.1357	0.679	328	6390
Canna	397.5	19	0.1446	0.723	373	7110
Goldentuft	450	19	0.1539	0.769	422	7890
Cosmos	477	19	0.1584	0.792	447	8360
Syringa	477	37	0.1135	0.795	447	8690
Zinnia	500	19	0.1622	0.811	469	8760
Hyacinth	500	37	0.1162	0.814	469	9110
Dahlia	556.5	19	0.1711	0.856	522	9750
Mistletoe	556.5	37	0.1226	0.858	522	9940
Meadowsweet	600	37	0.1273	0.891	562	10700
Orchid	636	37	0.1311	0.918	596	11400
Heuchera	650	37	0.1325	0.928	609	11600
Verbena	700	37	0.1375	0.963	656	12500
Flag	700	61	0.1071	0.964	656	12900
Violet	715.5	37	0.1391	0.973	671	12800
Nasturtium	715.5	61	0.1083	0.975	671	13100
Petunia	750	37	0.1424	0.997	703	13100
Cattail	750	61	0.1109	0.998	703	13500
Arbutus	795	37	0.1466	1.026	745	13900
Lilac	795	61	0.1142	1.027	745	14300
Cockscomb	900	37	0.156	1.092	844	15400
Snapdragon	900	61	0.1215	1.093	844	15900
Magnolia	954	37	0.1606	1.124	894	16400
Goldenrod	954	61	0.1251	1.125	894	16900
Hawkweed	1000	37	0.1644	1.151	937	17200
Camellia	1000	61	0.128	1.152	937	17700
Bluebell	1033.5	37	0.1671	1.17	969	17700
Larkspur	1033.5	61	0.1302	1.171	969	18300
Marigold	1113	61	0.1351	1.216	1043	19700
Hawthorn	1192.5	61	0.1398	1.258	1118	21100
Narcissus	1272	61	0.1444	1.3	1192	22000
Columbine	1351.5	61	0.1488	1.34	1267	23400
Carnation	1431	61	0.1532	1.378	1341	24300
Gladiolus	1510.5	61	0.1574	1.416	1416	25600
Coreopsis	1590	61	0.1614	1.453	1490	27000
Jessamine	1750	61	0.1694	1.524	1640	29700
Cowslip	2000	91	0.1482	1.631	1875	34200
Sagebrush	2250	91	0.1572	1.73	2130	37500
Lupine	2500	91	0.1657	1.823	2366	41900
Bitterroot	2750	91	0.1738	1.912	2603	46100
Trillium	3000	127	0.1537	1.998	2839	50300
Bluebonnet	3500	127	0.166	2.158	3345	58700