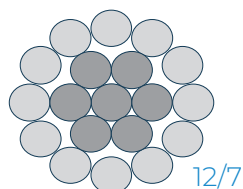


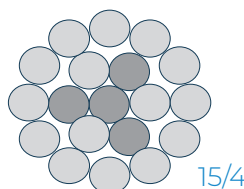
ACAR (Aluminum Conductor Alloy Reinforced)



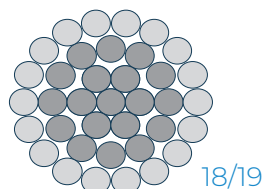
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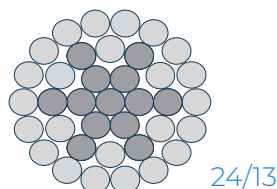
12/7



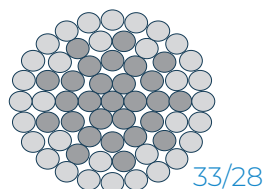
15/4



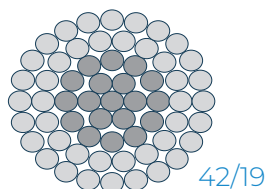
18/19



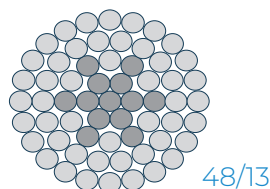
24/13



33/28



42/19



48/13

CONSTRUCCIÓN / CONSTRUCTION

Alambres de Aluminio 1350 - H19 cableados alrededor de un núcleo de Aluminio 6201 T81
/ 1350 H - 19 aluminum strands over 6201 T81 Aluminum core

DISEÑO Y CARACTERÍSTICAS DE MATERIALES

MATERIALS AND DESIGN CHARACTERISTICS

° 1 ALUMINIO / ALUMINUM

Aluminio 1350 H19 / Aluminum 1350 H19

• 2 NÚCLEO / Core

Aluminio 6201 T81 / Aluminum 6201 T81

CARACTERÍSTICAS DE CONSTRUCCIÓN Y DIMENSIONES

CONSTRUCTION CHARACTERISTICS AND DIMENSIONS



Calibre Size		Hilos Strands			Diámetro Hilo Strand Diameter	Diámetro Exterior External Diameter	Masa Total Total Weight	Carga de Rotura Conductor Breaking Load	Resistencia DC del conductor a 20° C Nominal DC Resistance at 20°C	Capacidad de corriente* Ampacity		
[AWG/ Kcmil]	[mm²]	Total	Al 1350	Al 6201	[mm]	[mm]	[kg/ km]	[kgf]	[kgf]	Sol, no viento Sun, no wind	Sol, viento Sun, wind	No sol, viento No sun, wind
250	127	19	12	7	2.91	14.6	349	2814	0.239	280	417	447
300	152	19	12	7	3.19	16.0	419	3344	0.200	317	467	502
350	177	19	15	4	3.45	17.2	489	3390	0.167	356	520	560
350	177	19	12	7	3.45	17.2	488	3816	0.171	353	515	555
355	180	19	12	7	3.47	17.4	495	3871	0.169	356	519	560
392.5	199	37	24	13	2.62	18.3	548	4277	0.152	382	554	598



ACAR (Aluminum Conductor Alloy Reinforced)



Calibre Size		Hilos Strands			Diámetro Hilo Strand Diameter	Diámetro Exterior External Diameter	Masa Total Total Weight	Carga de Rotura Conductor Breaking Load	Resistencia DC del conductor a 20° C Nominal DC Resistance at 20°C	Capacidad de corriente* Ampacity		
[AWG/ Kcmil]	[mm²]	Total	Al 1350	Al 6201	[mm]	[mm]	[kg/ km]	[kgf]	[kgf]	Sol, no viento Sun, no wind	Sol, viento Sun, wind	No sol, viento No sun, wind
400	203	19	12	7	3.69	18.4	558	4318	0.150	387	560	606
450	228	19	12	7	3.91	19.5	628	4810	0.133	419	603	653
450	228	37	18	19	2.80	19.6	627	5401	0.136	416	597	647
450	228	19	15	4	3.91	19.5	628	4240	0.130	423	609	659
465.9	236	19	12	7	3.98	19.9	650	4980	0.128	430	616	668
465.9	236	37	18	19	2.85	20.0	650	5592	0.131	426	611	662
500	253	19	12	7	4.12	20.6	698	5344	0.120	451	644	698
500	253	37	18	19	2.95	20.7	697	6001	0.122	447	638	693
500	253	37	30	7	2.95	20.7	698	4901	0.117	456	651	706
500	253	37	24	13	2.95	20.7	698	5395	0.119	451	644	699
550	279	37	18	19	3.10	21.7	762	6555	0.111	478	678	737
550	279	19	15	4	4.32	21.6	768	5183	0.106	486	689	749
600	304	37	18	19	3.23	22.6	836	7152	0.102	506	714	777
600	304	37	24	13	3.24	22.6	837	6409	0.0995	512	723	787
650	329	37	18	19	3.37	23.6	906	7534	0.0941	536	753	821
650	329	37	24	13	3.37	23.6	907	6798	0.0918	541	761	829
700	355	37	30	7	3.49	24.5	978	6680	0.0833	573	802	876
700	355	37	18	19	3.49	24.5	976	8114	0.0874	562	786	858
700	355	37	24	13	3.49	24.5	977	7240	0.0853	568	794	867
739.8	375	37	18	19	3.59	25.1	1031	8514	0.0827	584	815	890
750	380	37	33	4	3.62	25.3	1048	6525	0.0768	606	843	922
750	380	37	30	7	3.62	25.3	1047	7056	0.0777	603	839	918
750	380	37	18	19	3.62	25.3	1046	8631	0.0816	591	823	900
750	380	37	18	13	3.62	25.3	1046	7763	0.0796	597	831	909
800	405	37	24	19	3.74	26.1	1115	9207	0.0765	617	855	936
800	405	37	24	13	3.74	26.1	1116	8280	0.0746	623	864	946
850	431	37	18	19	3.85	27.0	1185	9711	0.0720	642	888	973
850	431	37	24	13	3.85	27.0	1186	8706	0.0702	649	897	983
853.7	433	37	24	13	3.86	27.0	1191	8744	0.0699	651	900	986
853.7	433	37	30	7	3.86	27.0	1192	7917	0.0683	658	909	996
900	456	37	18	19	3.96	27.7	1255	10283	0.0680	667	920	1009
900	456	37	24	13	3.96	27.7	1256	9219	0.0663	674	929	1019

ACAR (Aluminum Conductor Alloy Reinforced)



Calibre Size		Hilos Strands			Diámetro Hilo Strand Diameter	Diámetro Exterior External Diameter	Masa Total Total Weight	Carga de Rotura Conductor Breaking Load	Resistencia DC del conductor a 20° C Nominal DC Resistance at 20°C	Capacidad de corriente* Ampacity		
[AWG/ Kcmil]	[mm²]	Total	Al 1350	Al 6201	[mm]	[mm]	[kg/ km]	[kgf]	[kgf]	Sol, no viento Sun, no wind	Sol, viento Sun, wind	No sol, viento No sun, wind
900	456	37	30	7	3.96	27.7	1257	8347	0.0648	681	938	1029
918	465	37	18	19	4.00	28.0	1280	10488	0.0666	677	931	1022
927.2	470	37	18	19	4.02	28.1	1293	10593	0.0660	681	937	1028
950	481	37	18	19	4.07	28.5	1324	10854	0.0644	693	951	1044
950	481	37	30	7	4.07	28.5	1327	8810	0.0613	706	970	1065
950	481	37	24	13	4.07	28.5	1326	9731	0.0628	699	960	1055
1000	507	37	18	19	4.18	29.2	1394	11425	0.0612	717	981	1079
1000	507	61	54	7	3.25	29.3	1397	8890	0.0577	734	1005	1105
1000	507	37	30	7	4.18	29.2	1397	9274	0.0583	732	1002	1101
1000	507	61	42	19	3.25	29.3	1396	10211	0.0593	726	994	1092
1000	507	61	33	28	3.25	29.3	1394	10981	0.0607	720	985	1083
1024.5	519	37	30	7	4.23	29.6	1431	9501	0.0569	743	1016	1117
1024.5	519	37	18	19	4.23	29.6	1429	11707	0.0597	729	996	1096
1024.5	519	37	24	13	4.23	29.6	1430	10494	0.0583	736	1006	1106
1080.6	548	37	24	13	4.34	30.4	1508	11069	0.0552	762	1039	1144
1080.6	548	37	18	19	4.34	30.4	1506	12346	0.0566	755	1029	1133
1100	557	37	24	13	4.38	30.7	1535	11267	0.0543	772	1050	1157
1100	557	37	18	19	4.38	30.7	1533	12568	0.0556	764	1040	1146
1100	557	37	30	7	4.38	30.7	1536	10201	0.0530	779	1061	1168
1100	557	61	48	13	3.41	30.7	1536	10408	0.0532	778	1059	1167
1100	557	61	42	19	3.41	30.7	1535	11232	0.0539	774	1053	1160
1172	594	37	18	19	4.52	31.6	1634	13390	0.0522	797	1081	1192
1198	607	37	30	7	4.57	32.0	1673	11110	0.0486	824	1116	1232
1198	607	37	24	13	4.57	32.0	1672	12271	0.0498	817	1106	1220
1200	608	37	18	19	4.57	32.0	1673	13710	0.0510	810	1096	1210
1200	608	37	24	13	4.57	32.0	1674	12292	0.0497	817	1106	1220
1200	608	37	30	7	4.57	32.0	1676	11129	0.0486	825	1118	1233
1200	608	61	48	13	3.56	32.1	1676	11202	0.0487	825	1117	1232
1250	633	37	30	7	4.67	32.7	1746	11592	0.0466	848	1146	1265
1250	633	61	48	13	3.64	32.7	1746	11668	0.0468	847	1144	1264
1250	633	61	54	7	3.64	32.7	1746	10933	0.0461	852	1151	1271
1250	633	61	33	28	3.64	32.7	1743	13615	0.0485	835	1128	1246

ACAR (Aluminum Conductor Alloy Reinforced)



Calibre Size		Hilos Strands			Diámetro Hilo Strand Diameter	Diámetro Exterior External Diameter	Masa Total Total Weight	Carga de Rotura Conductor Breaking Load	Resistencia DC del conductor a 20° C Nominal DC Resistance at 20°C	Capacidad de corriente* Ampacity		
[AWG/ Kcmil]	[mm²]	Total	Al 1350	Al 6201	[mm]	[mm]	[kg/ km]	[kgf]	[kgf]	Sol, no viento Sun, no wind	Sol, viento Sun, wind	No sol, viento No sun, wind
1300	659	61	42	19	3.71	33.4	1814	13126	0.0456	864	1165	1288
1300	659	37	18	19	4.76	33.3	1812	14853	0.0471	854	1151	1272
1300	659	37	30	7	4.76	33.3	1816	12056	0.0448	870	1173	1296
1300	660	91	54	37	3.04	33.4	1818	14367	0.0462	861	1160	1283
1361.5	690	61	54	7	3.79	34.2	1902	11908	0.0423	900	1209	1338
1400	709	61	33	28	3.85	34.6	1952	15123	0.0433	900	1207	1336
1400	709	61	48	13	3.85	34.6	1955	12890	0.0418	913	1224	1355
1400	709	61	42	19	3.85	34.6	1954	13976	0.0424	907	1217	1348
1400	709	61	54	7	3.85	34.6	1956	12044	0.0412	918	1231	1363
1500	760	61	33	28	3.98	35.9	2092	16203	0.0404	941	1257	1394
1500	760	61	42	19	3.98	35.9	2093	14974	0.0396	949	1268	1406
1600	811	61	42	19	4.11	37.0	2233	15973	0.0371	990	1317	1463
1600	811	61	54	7	4.11	37.0	2235	13764	0.0360	1000	1332	1479
1700	861	61	42	19	4.24	38.2	2373	16971	0.0349	1029	1364	1517
1700	861	61	33	28	4.24	38.2	2371	18363	0.0357	1020	1353	1504
1800	912	61	42	19	4.36	39.3	2512	17969	0.0330	1067	1410	1570
1800	912	61	33	28	4.36	39.3	2510	19701	0.0337	1058	1398	1557
1900	963	61	42	19	4.48	40.3	2652	18968	0.0312	1104	1454	1621
2000	1013	61	42	19	4.60	41.4	2791	19966	0.0297	1139	1497	1670
2250	1140	91	54	37	3.99	43.9	3169	23572	0.0268	1219	1590	1780
2493	1263	91	54	37	4.20	46.3	3512	26118	0.0241	1297	1681	1886
2500	1267	91	54	37	4.21	46.3	3521	26191	0.0241	1299	1683	1889
2750	1393	91	54	37	4.42	48.6	3874	28811	0.0219	1373	1770	1990
3000	1520	91	54	37	4.61	50.7	4226	31430	0.0201	1443	1850	2085

*Capacidad de corriente en sol y viento a 0.61 m/s, Temperatura Ambiente 25°C, Temperatura Conductor 75°C, C, radiación solar de 1033.3 W/m2, coeficiente de permisividad y de absorción 0.5 a 60 Hz; a nivel del mar. /Ampacity in sun and wind to 2 ft/sec, 25°C ambient temperature, 75°C conductor temperature, Solar radiation at 96 W/ft2, permittivity and absorption coefficient of 0.5 at 60Hz; at sea level.

**Corriente de corto circuito para temperatura inicial del conductor 75°C, temperatura final 645°C y duración del corto circuito de 1s. /Short Circuit current for 75°C initial conductor temperature, 645°C final temperature and 1 sec duration.

Otras características y/o empaques estarán disponibles bajo común acuerdo. / Other characteristics and/or packaging could be available under agreement.

Los datos aquí consignados podrán ser cambiados o actualizados sin previo aviso. / The information here stated may be changed or updated without prior notice.

Todos los valores indicados son nominales y están sujetos a las tolerancias normales de fabricación y de las normas.
All values herein indicated are nominal and are subject to normal manufacturing and standard tolerances.

ACAR (Aluminum Conductor Alloy Reinforced)



CARACTERÍSTICAS DE INSTALACIÓN, OPERACIÓN Y DESEMPEÑO

PERFORMANCE, OPERATION AND INSTALLATION PARAMETERS

Normas

Standards

ASTM B524, NTC 6065

Certificaciones de producto

Products Certifications

RETIE y NTC

Cumplimientos

Compliance

Procesos y procedimientos del Sistema de Gestión Integrado ISO 9001, 14001, 45001, 50001.

Directiva RoHS

Processes and Procedures of the Integrated Management System ISO 9001, 14001, 45001, 50001 and RoHS.



Instalación

Installation

Apto para instalación aérea en líneas de distribución y transmisión.

Suitable for overhead installation in distribution and transmission lines.

Opciones

OTHER OPTIONS

Otros calibres u otras configuraciones no descritas en la tabla están disponibles.

Other sizes and constructions are available upon request.

Empaque

PACKAGING

Los cables son entregados en carretes. Las cantidades son las determinadas según acuerdo comercial.

Cables are delivered in reels. Quantities are according to commercial arrangements.

Consulte nuestro directorio de ejecutivos comerciales en <https://co.prysmian.com/es/contáctenos>