

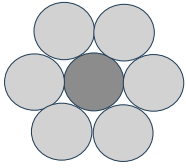
# ACSR (Aluminum Conductor Steel Reinforced)

Procables

A Brand of Prysmian Group

## Descripción

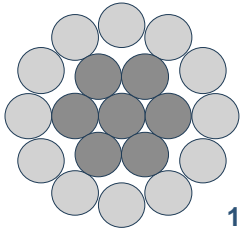
*Description*



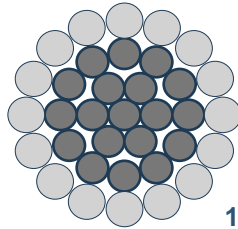
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### Construcción / Construction

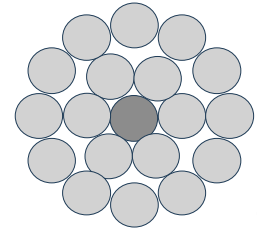
Alambres de Aluminio 1350 – H19 cableados alrededor de un núcleo de acero galvanizado clase A  
*1350 H-19 aluminum strands over galvanized steel Class A core*



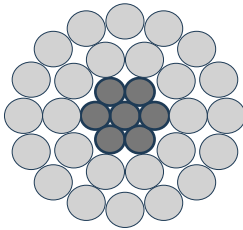
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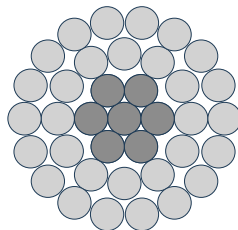
16/19



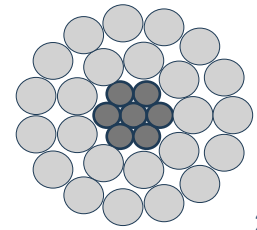
18/1



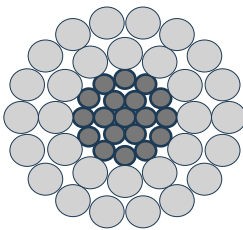
26/7



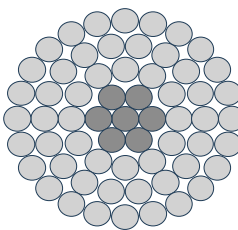
30/7



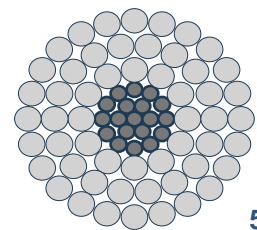
24/7



30/19



54/7



54/19

## Características de materiales

*Materials characteristics*

- 1 ALUMINIO / Aluminum  
Clase 1350 H19 / Class 1350 H19
- 2 ACERO / Steel  
Acero Galvanizado Clase A, carga estándar (SS) /  
Class A Galvanized Steel, standard strength (SS)



# ACSR (Aluminum Conductor Steel Reinforced)

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## Características de construcción y dimensiones

Construction characteristics and dimensions

Código Code	Nombre clave Code Name	Calibre Size [AWG or kcmil]	Construcción Construction N° Hilos Strands AL / ST	Diámetro Hilo Strand Diameter [Al] [mm]	Diámetro Hilo Acero Steel Strand Diameter [mm]	Diámetro núcleo de acero Steel Core Diameter [mm]	Diámetro Exterior External Diameter [mm]	Corriente de corto circuito* Short circuit current [kA]	Masa Total Total Weight [kg/km]	Carga de rotura Conductor Breaking Load [kgf]	Resistencia DC del conductor a 20°C Nominal DC Resistance at 20°C [Ω/km]	Resistencia AC del conductor a 75°C Nominal AC Resistance at 75°C [Ω/km]	Capacidad de corriente Ampacity [A]
32480010000	Swan	4	6/1	2.12	2.12	2.12	6.4	3.2	85.5	845	1.32	1.68	140
32480025000	Sparrow	2	6/1	2.67	2.67	2.67	8.0	5.0	135	1290	0.830	1.09	184
32480035000	Raven	1/0	6/1	3.37	3.37	3.37	10.1	8.0	215	1985	0.522	0.713	242
32480040000	Quail	2/0	6/1	3.78	3.78	3.78	11.4	10	270	2405	0.414	0.581	276
32480045000	Pigeon	3/0	6/1	4.25	4.25	4.25	12.7	13	341	3004	0.328	0.473	315
32480055000	Penguin	4/0	6/1	4.77	4.77	4.77	14.3	16	430	3787	0.260	0.388	369
32480001000	Petrel	101.8	12/7	2.34	2.34	7.02	11.7	7.7	378	4717	0.514	0.820	234
32480005000	Minorca	110.8	12/7	2.44	2.44	7.32	12.2	8.4	411	5126	0.473	0.770	244
32480002000	Leghorn	134.6	12/7	2.69	2.69	8.07	13.5	10	500	6169	0.389	0.669	269
32480003000	Guinea	159	12/7	2.92	2.92	8.77	14.6	12	589	7258	0.330	0.596	291
32480050000	Dotterel	176.9	12/7	3.08	3.08	9.25	15.4	13	655	7847	0.297	0.554	306
32480004000	Dorking	190.8	12/7	3.20	3.20	9.61	16.0	14	707	8482	0.275	0.527	317
32480051000	Brahma	203.2	16/19	2.86	2.48	12.40	18.1	15	1003	12882	0.248	0.556	319
32480007000	Cochin	211.3	12/7	3.37	3.37	10.10	16.9	16	784	9390	0.248	0.492	332
32480060000	Waxwing	266.8	18/1	3.09	3.09	3.09	15.5	20	431	3122	0.212	0.258	447
32480070000	Partridge	266.8	26/7	2.57	2.00	6.01	16.3	20	546	5126	0.209	0.256	457
32480080000	Ostrich	300	26/7	2.73	2.12	6.36	17.3	23	615	5761	0.185	0.227	493
32480090000	Merlin	336.4	18/1	3.47	3.47	3.47	17.4	26	544	3936	0.168	0.205	517
32480095000	Linnet	336.4	26/7	2.89	2.25	6.74	18.3	26	690	6396	0.165	0.202	529
32480100000	Oriole	336.4	30/7	2.69	2.69	8.07	18.8	26	785	7847	0.164	0.233	536
32480105000	Chickadee	397.5	18/1	3.78	3.78	3.78	18.9	30	643	4511	0.143	0.173	576
32480115000	Ibis	397.5	26/7	3.14	2.44	7.32	19.9	30	814	7394	0.140	0.172	587
32480120000	Lark	397.5	30/7	2.92	2.92	8.77	20.5	30	925	9208	0.139	0.171	595
32480125000	Pelican	477	18/1	4.14	4.14	4.14	20.7	36	771	5334	0.119	0.144	646
32480130000	Flicker	477	24/7	3.58	2.39	7.16	21.5	36	915	7802	0.117	0.144	655
32480135000	Hawk	477	26/7	3.44	2.68	8.03	21.8	36	978	8860	0.117	0.143	659
32480140000	Hen	477	30/7	3.20	3.20	9.61	22.4	36	1110	10804	0.116	0.142	667
32480150000	Osprey	556.5	18/1	4.47	4.47	4.47	22.3	42	899	6233	0.102	0.124	709
32480155000	Parakeet	556.5	24/7	3.87	2.58	7.73	23.2	42	1069	8988	0.100	0.123	721
32480160000	Dove	556.5	26/7	3.72	2.89	8.67	23.5	42	1142	10255	0.0998	0.123	726
32480165000	Eagle	556.5	30/7	3.46	3.46	10.40	24.2	42	1298	12600	0.0991	0.122	734
32480175000	Squab	605	26/7	3.87	3.01	9.04	24.5	46	1237	11037	0.0922	0.113	765
32480170000	Peacock	605	24/7	4.03	2.69	8.07	24.2	46	1160	9781	0.0925	0.114	760
32480185000	Teal	605	30/19	3.61	2.16	10.82	25.3	46	1398	13592	0.0912	0.112	773
32480195000	Kingbird	636	18/1	4.78	4.78	4.78	23.9	49	1028	7111	0.0896	0.109	773
32480200000	Rook	636	24/7	4.14	2.76	8.27	24.8	49	1223	10272	0.0877	0.108	784
32480205000	Grosbeak	636	26/7	3.97	3.09	9.27	25.2	48	1302	11432	0.0876	0.108	789
32480215000	Egret	636	30/19	3.70	2.22	11.10	25.9	48	1472	14299	0.0868	0.107	798
32480230000	Flamingo	666.6	24/7	4.23	2.82	8.47	33.9	51	1277	10767	0.0840	0.103	808
32480250000	Starling	715.5	26/7	4.21	3.28	9.83	26.7	54	1466	12863	0.0779	0.0960	849
32480255000	Redwing	715.5	30/19	3.92	2.35	11.80	27.5	54	1651	15673	0.0773	0.0952	859
32480260000	Crow	715.5	54/7	2.92	2.92	8.80	26.3	54	1369	11753	0.0783	0.0991	832
32480265000	Cuckoo	795	24/7	4.62	3.98	9.20	27.7	60	1523	12662	0.0704	0.0870	901
32480270000	Drake	795	26/7	4.44	3.45	10.40	28.1	60	1627	14292	0.0700	0.0865	907
32480290000	Mallard	795	30/19	4.14	2.48	12.40	29.0	61	1841	17442	0.0693	0.0855	917
32480280000	Tern	795	45/7	3.38	2.25	6.80	27.0	61	1337	10012	0.0708	0.0899	879
32480285000	Condor	795	54/7	3.08	3.08	9.20	27.7	60	1523	12780	0.0704	0.0893	889
32480295000	Crane	874.5	54/7	3.23	3.23	9.69	29.1	66	1675	14043	0.0640	0.0814	888
32480305000	Canary	900	54/7	3.28	3.28	9.84	29.5	69	1727	14475	0.0621	0.0790	960
32480315000	Rail	954	45/7	3.70	2.47	7.40	29.6	73	1604	11751	0.0591	0.0754	983
32480320000	Cardinal	954	54/7	3.38	3.38	10.10	30.4	73	1834	15344	0.0585	0.0745	996
32480330000	Ortolan	1033.5	45/7	3.85	2.57	7.70	30.8	79	1736	12552	0.0546	0.0698	1033
32480335000	Curlew	1033.5	54/7	3.51	3.51	10.50	31.6	78	1978	16615	0.0542	0.0692	1046
32480340000	Bluejay	1113	45/7	4.00	2.66	7.99	32.0	85	1872	13533	0.0505	0.0649	1081
32480345000	Finch	1113	54/19	3.65	2.19	11.00	32.8	85	2127	17726	0.0502	0.0645	1092
32480355000	Bunting	1192.5	45/7	4.14	2.76	8.27	33.1	91	2007	14494	0.0472	0.0607	1127
32480360000	Grackle	1192.5	54/19	3.77	2.27	11.30	34.0	91	2273	18988	0.0470	0.0606	1179
32480370000	Bittern	1272	45/7	4.27	2.85	8.54	34.2	97	2136	15459	0.0443	0.0573	1172
32480375000	Pheasant	1272	54/19	3.90	2.34	11.70	35.1	97	2428	19776	0.0439	0.0568	1185
32480380000	Dipper	1351.5	45/7	4.40	2.93	8.80	35.2	103	2266	16426	0.0418	0.0541	1215
32480385000	Martin	1351.5	54/19	4.02	2.41	12.10	36.2	103	2579	20998	0.0413	0.0536	1229
32480390000	Bobolink	1431	45/7	4.53	3.02	9.06	36.2	109	2403	17393	0.0394	0.0513	1258
32480395000	Plover	1431	54/19	4.14	2.48	12.40	37.2	109	2734	22255	0.0390	0.0507	1273
32480400000	Nuthatch	1510.5	45/7	4.65	3.10	9.30	37.2	115	2532	18173	0.0374	0.0488	1300
32480405000	Parrot	1510.5	54/19	4.25	2.55	12.70	38.2	115	2883	23466	0.0370	0.0483	1385
32480415000	Falcon	1590	54/19	4.36	2.62	13.10	39.2	121	3037	24727	0.0351	0.0461	1356
32480410000	Lapwing	1590	45/7	4.78	3.18	9.55	38.2	121	2673	19141	0.0354	0.0464	1340
32480420000	Chukar	1780	84/19	3.70	2.22	11.10	40.7	136	3092	23139	0.0317	0.0409	1454
32480425000	Bluebird	2156	84/19	4.07	2.44	12.20	44.8	164	3740	27344	0.0262	0.0345	1623
32480430000	Kiwi	2167	72/7	4.41	2.94	8.82	44.1	165	3435	22609	0.0262	0.0347	1610

# ACSR (Aluminum Conductor Steel Reinforced)

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\*Capacidad de corriente en sol y viento a 0.61 m/s, Temperatura Ambiente 25° C, Temperatura Conductor 75° 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.

## Características de instalación operación y desempeño

*Performance, operation and installation parameters*

**Normas** ASTM B232, NTC 309  
**Standards** ASTM B232, NTC 309

**Certificaciones de producto**  
**Products Certifications**

RETIE y NTC  
RETIE and NTC

### Cumplimientos Compliance

Procesos y procedimientos del Sistema de Gestión Integrado ISO 9001, 14001, 45001. Directiva RoHS  
Processes and Procedures of the Integrated Management System ISO 9001, 14001, 45001 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

Núcleo de Acero recubierto con Aluminio (AW).  
Aluminum Clad Steel core (AW).

Núcleo de Acero galvanizado (GA) de carga alta (HS) o carga extra alta (EHS).  
Galvanized Steel core (GA) High Strength (HS) or Extra High Strength (EHS).

Hilos del conductor en aleación 6201 (AACSR).  
Aluminum Alloy strands conductor (AACSR).

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.prysmiangroup.com/es/contact-us>