

Aluminum Conductor Steel Reinforced (ACSR)

Aluminum Conductor Steel Reinforced, Bare
Bare Overhead Transmission Cable



*Product images are for illustrative purposes only and may differ from the actual product.

Category Conductor Description:

- ACSR, a non-homogenous conductor, is a concentric-lay-stranded conductor made from round aluminum 1350-H19 (extra hard) wires and round, coated steel core wire(s)

Applications:

- The favorable strength/weight ratio, achieved by the lightweight, strong conductivity of aluminum coupled with the high tensile strength of steel, makes ACSR conductors a preferred choice for overhead power transmission and distribution projects

Standards:

- ACSR conductors are manufactured in accordance with the ASTM specification B232
- Other ASTM referenced specifications include B230, B498, B500, B606, B802, B803, B957 and B958

Part Number Table

Part#	Houston Wire & Cable	Gauge	Stranding (Al/Stl)	Alum Weight (Lbs./M)	Rated Strgth/Lbs.
Turkey		6	6/1	24.4	1190
Swan	HWSWAN	4	6/1	39	1860
SWANATE	HWSWANATE	4	7/1	39	2360
Sparate	HWSPARATE	2	7/1	61.9	3460
SPARROW	HWSPARROW	2	6/1	61.9	2850
Robin		1	6/1	78.1	3550
RAVEN	HWRAVEN	1/0	6/1	98.6	4380
QUAIL	HWQUAIL	2/0	6/1	124.1	5300
PIGEON	HWPIGEON	3/0	6/1	156.4	6620
PENGUIN	HWPENGUIN	4/0	6/1	197.4	8350
PARTRIDGE		266	26/7	251.3	11300
WAXWING	HWWAXWING	266	18/1	249.9	6880
LINNET	HWLINNET	336	26/7	316.5	14100
MERLIN	HWMERLIN	336	18/1	315.3	8680
Oriole		336.4	30/7	317.7	17300
Chickadee	HWCHICKADEE	397.5	18/1	372.5	9940
Ibis	HWIBIS	397.5	26/7	374.1	16300
Lark		397.5	30/7	375.2	20300
HAWK	HWHAWK	447	26/7	448.9	19500
Flicker		477	24/7	449.4	17200
Hen		477	30/7	450.4	23800
Pelican	HWPELICAN	477	18/1	447.1	11800
Dove	HWDOVE	556.5	26/7	524.2	22600
Eagle		556.5	30/7	525.4	27800
Osprey	HWOSPREY	556.5	18/1	521.4	13700
Parakeet		556.5	24/7	524.3	19800
Peacock		605	24/7	570.1	21600
Egret		636	30/19	600.5	31500
Grosbeak	HWGROSBEAK	636	26/7	599	25200
Kingbird		636	18/1	596.3	15700
Rook		636	24/7	599.1	22600
Swift		636	36/1	596	13800
Flamingo		666.6	24/7	628.2	23700
Redwing		715.5	30/19	675.3	34600

Starling		715.5	26/7	674	28400
Condor		795	54/7	748	28200
Coot		795	36/1	745.1	16800
Cuckoo		795	24/7	749	27900
DRAKE	HW DRAKE	795	26/7	749	31500
Mallard		795	30/19	750.7	38400
Tern		795	45/7	749	22100
Canary		900	54/7	848	31900
Ruddy		900	45/7	848	24400
Cardinal	HWCARDINAL	954	54/7	898.4	33800
Corncrake		954	20/7	899	25600
Rail	HWRAIL	954	45/7	899	25900
Redbird		954	24/7	899	33500
Curlew	HWCURLEW	1033.5	54/7	973	36600
Ortolan	HWORTOLAN	1033.5	45/7	973	27700
Bluejay		1113	45/7	1049	29800
Finch		1113	54/19	1054	39100
Bunting		1192.5	45/7	1123	32000
Grackle		1192.5	54/19	1128	41900
Bittern	HWBITTERN	1272	45/7	1198	34100
Pheasant		1272	54/19	1205	43600
Dipper		1351.5	45/7	1273	36200
Martin		1351.5	54/19	1279	46300
Bobolink		1431	45/7	1348	38300
Plover		1431	54/19	1355	49100
Falcon		1590	54/19	1505	54500
Lapwing	HWLAPWING	1590	45/7	1498	42200
Chukar		1780	84/19	1685	51000
Bluebird		2156	84/19	2040	60300
Kiwi		2167	72/7	2052	49800
Thrasher		2312	76/19	2188	56700
Joree		2515	76/19	2383	61700

*Conductor temp of 75°C, ambient temp of 25°C, emissivity 0.5, wind 2ft./sec., in sun Note: The data shown is approximate and subject to standard industry and manufacturer tolerances

