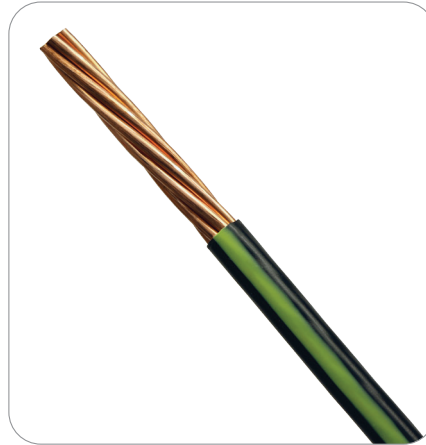


DSA Copperclad Steel Wire Jacketed Material

Copperclad Steel Wire from AFL can be jacketed to further reduce copper theft and is available in black with green stripe or grey. Available sizes are shown in the chart below, Table 1. Please contact AFL for larger sizes not shown.



6 AWG Solid with grey PVC Jacket



7#7 AWG with black with green stripe PVC jacket

Table 1—Physical and Electrical Characteristics of Copperclad Jacketed DSA Conductors

CONDUCTOR SIZE	CONDUCTOR OVERALL DIAMETER		AFL NO.		WEIGHT/LENGTH PVC		MIN BREAKING LOAD	
			GREY PVC	BLACK WITH GREEN TRACER PVC				
(AWG)	(in.)	(mm)	0.030 in.	0.030 in.	(lbs/kft)	(kg/km)	lbf	(kgf)
7#9	0.343	8.72	CCS07094DJV	CCS07094DBLK	279.7	416.2	2513	1140
7#10	0.306	7.76	CCS07104DJV	CCS07104DBLK	224.1	333.5	1994	904
#2 Str	0.258	6.55	CCS2STR4DJV	CCS2STR4DBLK	162.3	241.5	1435	651
#4 Str	0.204	5.18	CCS4STR4DJV	CCS4STR4DBLK	104.4	155.4	897	407
#2 Solid	0.258	6.54	CCS01024DJV	CCS01024DBLK	201.7	300.2	2023	918
#4 Solid	0.204	5.19	CCS01044DJV	CCS01044DBLK	129.8	193.2	1272	577
#6 Solid	0.162	4.12	CCS01064DJV	CCS01064DBLK	84.1	125.1	800	363

Copperclad Part Number Nomenclature

Ordering Information

Step 1: Determine Catalog Number.

Step 2: Determine Package Code.

Step 3: Assemble complete part number—Catalog Number + Package Code

- Example: For a 2,000 ft. reel of 40% and 7#8 DSA, the complete part number is CCS07084DR2000F.

Step 1—Catalog Number

CATALOG NUMBER (NOT ALL SIZES LISTED)		
CONDUCTOR CONFIGURATION	30% CONDUCTIVITY	40% CONDUCTIVITY
#6 Jacketed		CCS01064D-JV*
#4 Jacketed		CCS01044D-JV*
#2 Jacketed		CCS01024D-JV*
#4 Stranded Jacketed		CCS4STR4D-JV*
#2 Stranded Jacketed		CCS2STR4D-JV*
#2 Stranded		CCS2STR4D
#4 Stranded		CCS4STR4D
#2	CCS01023D	CCS01024D
#4	CCS01043D	CCS01044D
#6	CCS01063D	CCS01064D
3#5	CCS03053D	CCS03054D
3#6	CCS03063D	CCS03064D
3#7	CCS03073D	CCS03074D
3#8	CCS03083D	CCS03084D
3#9	CCS03093D	CCS03094D
3#10	CCS03103D	CCS03104D
7#5	CCS07053D	CCS07054D
7#6	CCS07063D	CCS07064D
7#7	CCS07073D	CCS07074D
7#8	CCS07083D	CCS07084D
7#9	CCS07093D	CCS07094D
7#10	CCS07103D	CCS07104D
19#5	CCS19053D	CCS19054D
19#6	CCS19063D	CCS19064D
19#7	CCS19073D	CCS19074D
19#8	CCS19083D	CCS19084D
19#9	CCS19093D	CCS19094D

* See Jacket detail sheet for alternate jacketing configurations and part numbers.

Step 2—Package Code

Select preference of packaging type.

COILS		REELS		SPOOLS	
CODE (LBS)	CODE (FT)	CODE (LBS)	CODE (FT)	CODE (LBS)	CODE (FT)
C50P	C334F	R500P	R500F	S25P	S318F
C100P		R1000P	R1000F		
C200P		R2000P	R2000F		
		R3521P	R3521F		

Not all sizes listed.

Step 3—Assemble Complete Part Number



Explanation of Copperclad Part Numbers

CCS	0707	4	D	R	1000	F
Copperclad Steel (CCX = Onyx)	Stranding of #7 0707 = 7 Strands of #7 0102 = Single Strand of #2	Conductivity (IACS Int'l Annealed Copper) 3 = 30% 4 = 40%	Material Type D = DSA (Dead Soft Annealed) H = High Strength E = Extra High Strength	Package Type R = Reel S = Spool C = Coil	Package Quantity	Unit of Measure F = Feet (ft) P = Pounds (lbs)

Recommended Maximum Footage per Reel

19 Strands

REEL SIZE	19#4	19#5	19#6	19#7	19#8	19#9	4/0	19#10
4	—	—	—	—	—	575	675	725
5	—	—	—	—	575	750	875	950
6	—	—	600	775	975	1,200	1,450	1,550
7.5	575	725	925	1,150	1,450	1,850	2,200	2,350
8	775	975	1,200	1,550	1,950	2,450	2,900	3,100
9	1,200	1,550	1,950	2,450	3,100	3,950	4,650	4,950
10	1,550	1,950	2,450	3,100	3,900	4,950	5,800	6,200
11	2,050	2,600	3,300	4,150	5,250	6,650	7,850	8,400
12	3,150	4,000	5,000	6,350	8,000	10,100	11,800	12,700

7 Strands

REEL SIZE	7#4	7#5	7#6	7#7	2/0	7#8	1/0	7#9	7#10	#2 STR	#4 STR
4	475	600	775	975	1,050	1,200	1,350	1,550	1,950	2,750	4,450
5	625	800	1,000	1,250	1,400	1,600	1,750	2,050	2,550	3,600	5,800
6	1,050	1,300	1,650	2,100	2,300	2,650	2,950	3,400	4,250	6,000	9,600
7.5	1,600	2,000	2,550	3,200	3,500	4,050	4,450	5,100	6,450	9,100	14,500
8	2,100	2,650	3,350	4,250	4,650	5,350	5,850	6,750	8,500	11,900	—
9	3,350	4,250	5,350	6,750	7,400	8,550	9,350	10,800	13,600	—	—
10	4,200	5,300	6,700	8,450	9,250	10,700	11,700	13,500	—	—	—
11	5,700	7,200	9,050	11,400	12,500	14,400	15,800	—	—	—	—
12	8,600	10,900	13,700	—	—	—	—	—	—	—	—

3 Strands

REEL SIZE	3#5	3#6	3#7	3#8	3#9	3#10
4	1,450	1,800	2,300	2,900	3,650	4,600
5	1,900	2,400	3,000	3,800	4,800	6,050
6	3,100	3,950	5,000	6,300	7,950	10,000
7.5	4,750	6,000	7,550	9,500	12,000	15,100
8	6,250	7,850	9,900	12,500	15,800	19,900
9	9,950	12,500	15,800	20,000	—	—
10	12,400	15,700	19,800	—	—	—
11	16,800	21,200	—	—	—	—
12	—	—	—	—	—	—

Single Strand

REEL SIZE	#2	#4	#6
4	2,150	3,450	5,500
5	2,850	4,550	7,250
6	4,700	7,500	11,900
7.5	7,150	11,400	18,100
8	—	—	—
9	—	—	—
10	—	—	—
11	—	—	—
12	—	—	—

Reel Specifications

REEL NO.	OD (in.)	ID (in.)	WIDTH (in.)	MAX CAPACITY (lbs)
4	24.0	12.0	13.0	407
5	24.0	12.0	16.9	533
6	28.0	12.0	17.9	881
8	36.0	17.9	21.1	1,751
9	40.0	17.1	29.5	2,797
10	41.9	13.8	29.5	3,496
11	48.0	26.0	30.0	5,070
12	54.0	36.0	30.0	7,140

Green Spool Specifications



Spool of Copperclad Steel Wire with PVC jacketed material. For spool sizes and specifications, see page 14.

SIZE	ARBOR HOLE SIZE*	WEIGHT	SPOOL DIMENSIONS (inches)	DSA	JACKET TYPE	WIRE LENGTH (ft.)
#6 Bare Solid	2 inch	25	12 x 4 x 5	40	—	338
#6 Solid Jacketed	2 inch	29	13 x 4 x 5	40	Vinyl	338
#4 Bare Solid	2 inch	25	12 x 4 x 5	40	—	214
#4 Solid Jacketed	2 inch	29	12 x 4 x 5	40	Vinyl	214
#4 Stranded	2 inch	20	12 x 4 x 5	40	—	214
#4 Stranded Jacketed	2 inch	22	12 x 4 x 5	40	Vinyl	214
#2 Bare Solid	2 inch	25	12 x 4 x 5	40	—	134
#2 Solid Jacketed	2 inch	27	12 x 4 x 5	40	Vinyl	134
#2 Stranded	2 inch	20	12 x 4 x 5	40	—	134
#2 Stranded Jacketed	2 inch	23	12 x 4 x 5	40	Vinyl	134

* Special arbor hole sizes available upon request.