

INCH-POUND

A-A-59551A

22 October 2009

SUPERSEDING

A-A-59551

27 October 2000

COMMERCIAL ITEM DESCRIPTION

WIRE, ELECTRICAL, COPPER (UNINSULATED)

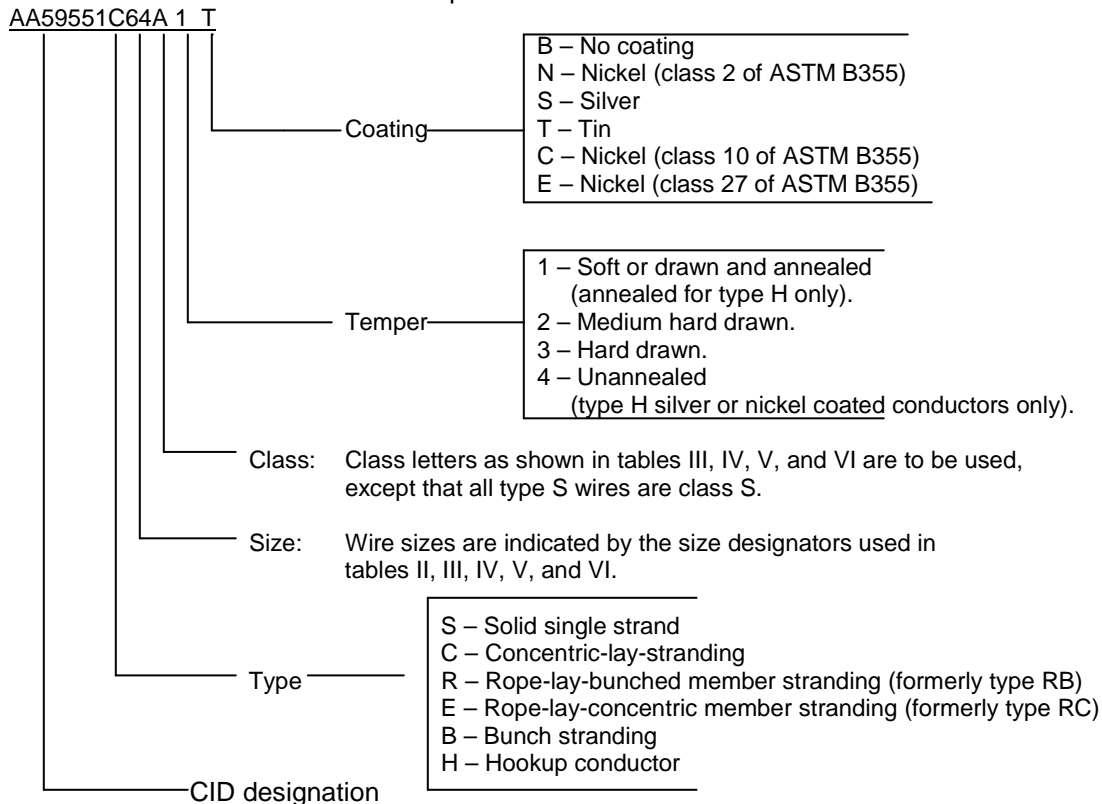
The General Services Administration has authorized the use of this commercial item description for all federal agencies.

1. SCOPE. This commercial item description (CID) covers the general requirements for solid, bunch-stranded, concentric-lay-stranded, and rope-lay-stranded round, uninsulated, copper conductors for use in electrical wire. Wires covered by this CID are intended for commercial/industrial applications.

2. CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This CID uses a classification system which is included in the PIN shown in the following example (see 7.1).

The PIN is made up of the basic CID number and a five-element alphanumeric dash number.

Example of PIN: AA59551C64A1T



Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data that may improve this document should be sent to: Defense Supply Center, Columbus, ATTN: DSCC-VAI, P.O. Box 3990, Columbus, OH 43218-3990, or email to WireCable@dsccl.dla.mil. Since contact information can change you may want to verify the currency of the address information using the ASSIST Online database at <http://assist.daps.dla.mil>.

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2.1 Type designation. Copper wires covered by this CID are of the following type, class, temper, size, and coating. The type designates the construction of the wire (see table I and 3.3). The following types are available (see 7.5):

- S - Solid single strand.
- C - Concentric-lay-stranding.
- R - Rope-lay-bunched member stranding.
- E - Rope-lay-concentric member stranding.
- B - Bunch-stranding.
- H - Hookup conductor.

2.2 Class. The class defines the construction details within a particular type wire (see 7.2). Type S wires are classified as class S for the purpose of this CID.

2.3 Temper. The available tempers per wire type are listed in table I (see 7.5).

2.4 Wire size. For solid wires of American Wire Gauge (AWG) 56 thru 0000 (4/0), the wire size is indicated by AWG size as specified in ASTM B258. For all wires larger than 4/0, the size is indicated by the cross sectional area in circular mils (thousandths of an inch). For sizes of stranded wires smaller than 250,000 circular mils, the AWG number that is the closest but larger in size is used except for hookup wire (type H), in which only even AWG numbers are used.

TABLE I. Temper and construction.

Type	Coatings available ^{1/}	Tempers available	Shall conform to ASTM B	AWG range ^{2/}
S ^{3/}	Uncoated	Soft or drawn and annealed	3	40 thru 4/0
	Uncoated	Medium-hard drawn	2	18 thru 4/0
	Uncoated	Hard drawn	1	18 thru 4/0
	Tin coated	Soft or drawn and annealed	33	40 thru 4/0
	Tin coated	Medium hard drawn or hard drawn	246	16 thru 4
C	Uncoated or tin	Soft or medium-hard drawn or hard drawn	8	24-4/0 and 250000-5000000 circular mils
R	Uncoated or tin	Soft or drawn and annealed	172	12-4/0 and 250000-2000000 circular mils
E	Uncoated or tin	Soft or drawn and annealed	173	14-4/0 and 250000-5000000 circular mils
B	Uncoated or tin	Soft or drawn and annealed	174	28-7
H ^{3/}	Tin	Annealed	286	10-30 even AWGs solid, 32-4/0 stranded
	Silver	Unannealed or annealed	298	8 thru 44
	Nickel ^{4/}	Unannealed or annealed	355	8 thru 40

^{1/} For information only.

^{2/} For information only; see 3.3.1 for requirements.

^{3/} The size requirements for 33 through 56 AWG are in table II.

^{4/} Nickel coating should be used only when other options will not meet performance requirements.

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3. SALIENT CHARACTERISTICS.

3.1 Interface and physical dimensions. Electrical copper, uninsulated wire supplied to this CID shall be as specified herein.

3.1.1 General. The individual item requirements shall be as specified herein and in accordance with the applicable ASTM standard. In the event of any conflict between the requirements of this CID and the applicable ASTM standard, the former shall govern.

3.2 Materials. The composition of the copper shall conform to ASTM B49.

3.3 Construction.

3.3.1 Solid wire (type S and type H – class S). Solid wires shall conform to and cover the range of wire sizes in the applicable ASTM standard specified in table I. The diameters and cross sectional areas shall be in accordance with ASTM B258. Solid wire of 33 through 56 AWG shall be specified in table II.

3.3.2. Bunch-stranded wire (type B). Bunched stranded wire shall conform to the requirements of ASTM B174. Table III shows wire classes, cross-sectional areas, strand sizes, strand counts, and wire size designators.

3.3.3 Concentric-lay-stranded wire (type C). Concentric-lay-stranded wire shall conform to ASTM B8. Table IV shows wire classes, cross sectional areas, strand counts, and wire size designators.

TABLE II. Small solid uninsulated wire dimensions.

Wire size designator	Approximate AWG size	Diameter, inches (nominal)
33	33	.00710
34	34	.00630
35	35	.00560
36	36	.00500
37	37	.00450
38	38	.00400
39	39	.00350
40	40	.00310
41	41	.00280
42	42	.00250
43	43	.00220
44	44	.00200
45	45	.00176
46	46	.00157
47	47	.00140
48	48	.00124
49	49	.00111
50	50	.00099
51	51	.00088
52	52	.00078
53	53	.00070
54	54	.00062
55	55	.00055
56	56	.00049

3.3.4 Rope-lay-stranded wire. Rope-lay-stranded wires shall conform to ASTM B173 for concentric-lay-stranded member (type E) and ASTM B172 for bunch-stranded members (type R). Table IV shows wire classes, cross sectional areas, strand counts, and wire size designators for type E wire. Table V shows wire classes, cross sectional areas, strand counts, and wire size designators for type R wire.

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3.3.5 Hookup wire (type H). Hookup wire shall conform to the requirements of ASTM B286. Table VI shows wire size designators, classes, and strand counts. Type S wire used for hookup and interconnect wire is superseded by type H, class S wire.

3.3.6 Splices. Splices shall not be made in wire, except as permitted by the applicable ASTM standard. Splices shall be so constructed and distributed throughout the wire that the diameter, configuration, resistance, flexibility, and mechanical strength of the completed wire shall not be adversely affected.

3.3.7 Conductor coatings. Conductor coatings (see 2.5) shall be in accordance with the applicable ASTM standard in table I.

3.4 Performance. All wire shall comply with the requirements of the applicable ASTM standard.

3.4.1 Solderability (type H only). All finished wires shall provide good electrical and mechanical solder joints when tested in accordance with method 208 of MIL-STD-202, and shall have a minimum solder coverage of 95%. This requirement is not applicable to nickel-coated conductors.

3.4.2 Elongation of 33 through 44 AWG wires only. Wire sizes 33 through 40 AWG shall have a minimum elongation of 15 percent and wire sizes 41 through 44 AWG shall have a minimum elongation of 10 percent. The percentage of elongation shall be calculated from the travel distance of the testing machine's gripping jaw at the instant of break of a 10 inch wire sample elongated at the rate of 12 inches \pm 1 inch per minute. A test that results in a break within 0.25 inches of either gripping jaw shall be repeated with a new sample.

3.5 Workmanship. Each solid wire and strand shall be processed in such a manner as to be uniform in quality and shall be free from other defects that will affect life, serviceability, or appearance.

3.6 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

3.7 Marking. The braid wire supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN. The part number marked on the unit pack shall be the CID PIN.

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 23.403 of the Federal Acquisition Regulation (FAR).

5. PRODUCT CONFORMANCE PROVISIONS.

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptability. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID:

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 2 years.
- b. The company producing the item must have sold 1,000 units meeting this CID in the commercial marketplace over the past 2 years.

6. PACKAGING. Preservation, packing, packaging, and marking shall be as specified in the contract or order.

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TABLE III. Construction details for type B wire. ^{1/}

Wire size designator	Cross sectional area (circular mils)	Approximate American Wire Gauge (AWG) size ^{2/}	Strand count							
			Type B							
			Class I 24 AWG strands	Class J 28 AWG strands	Class K 30 AWG strands	Class L 32 AWG strands	Class M 34 AWG strands	Class O 36 AWG strands	Class P 38 AWG strands	Class Q 40 AWG strands
67	211600	0000	-	-	-	-	-	-	-	-
66	167800	000	-	-	-	-	-	-	-	-
65	133100	00	-	-	-	-	-	-	-	-
64	105600	0	-	-	-	-	-	-	-	-
01	83690	1	-	-	-	-	-	-	-	-
02	66360	2	-	-	-	-	-	-	-	-
03	52620	3	-	-	-	-	-	-	-	-
04	41740	4	104 ^{4/}	-	-	-	-	-	-	-
05	33090	5	-	-	-	-	-	-	-	-
06	26240	6	65 ^{4/}	-	-	-	-	-	-	-
07	20820	7	52	-	-	-	-	-	-	-
08	16510	8	41	-	-	-	-	-	-	-
09	13090	9	33	-	-	-	-	-	-	-
10	10380	10	26	65	104	165	-	-	-	-
12	6534	12	-	41	65	104	-	-	-	-
14	4110	14	-	26	41	65	104	-	-	-
16	2580	16	-	16	26	41	65	104	165	-
18	1620	18	-	10	16	26	41	65	104	165
20	1020	20	-	7	10	16	26	41	65	104
22	640	22	-	-	7	10 ^{3/}	19	26 ^{4/}	41 ^{4/}	65
24	404	24	-	-	-	7	-	19 ^{5/}	26 ^{4/}	41 ^{4/}
26	253	26	-	-	-	-	7	10 ^{4/}	16 ^{4/}	26 ^{4/}
28	159	28	-	-	-	-	-	7	10 ^{4/}	16 ^{4/}
30	100	30	-	-	-	-	-	-	7	10 ^{4/}
32	64	32	-	-	-	-	-	-	-	-

^{1/} Number 23 AWG has been dropped.^{2/} For number 10 AWG and smaller wire, the AWG chosen for stranded wires is the number nearest the even numbered solid wire with a larger cross sectional area.^{3/} Inactive for new design.^{4/} Not covered by ASTM standards.^{5/} Replace with 16 strands.

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TABLE IV. Construction details (type C and type E wire). ^{1/}

Wire size designator	Cross sectional area (circular mils)	Approximate AWG size ^{2/}	Strand count						
			Type C					Type E	
			Class AA	Class A	Class B	Class C	Class D	Class G	Class H
99	5000000	-	-	169	217	-	271	1159	1729
98	4500000	-	-	169 ^{3/}	217 ^{3/}	-	271 ^{3/}	1159	1729
97	4000000	-	-	169 ^{3/}	217 ^{3/}	-	271 ^{3/}	1159	1729
96	3500000	-	-	127 ^{3/}	169 ^{3/}	217 ^{3/}	271 ^{3/}	1159	1729
95	3000000	-	-	127	169	217	271	1159	1729
94	2500000	-	-	91	127	169	217	703	1159
93	2000000	-	-	91	127	169	217	703	1159
92	1900000	-	-	91 ^{3/}	127 ^{3/}	169 ^{3/}	217 ^{3/}	703	1159
91	1900000	-	-	91 ^{3/}	127 ^{3/}	169 ^{3/}	217 ^{3/}	703	1159
90	1750000	-	-	91	127	169	217	703	1159
89	1700000	-	-	91 ^{3/}	127 ^{3/}	169 ^{3/}	217 ^{3/}	703	1159
88	1600000	-	-	91 ^{3/}	127 ^{3/}	169 ^{3/}	217 ^{3/}	703	1159
87	1500000	-	-	61	91	127	169	427	703
86	1400000	-	-	61 ^{3/}	91 ^{3/}	127 ^{3/}	169 ^{3/}	427	703
85	1300000	-	-	61 ^{3/}	91 ^{3/}	127 ^{3/}	169 ^{3/}	427	703
84	1250000	-	-	61	91	127	169	427	703
83	1200000	-	-	61 ^{3/}	91 ^{3/}	127 ^{3/}	169 ^{3/}	427	703
82	1100000	-	-	61 ^{3/}	91	127	169 ^{3/}	427	703
81	1000000	-	37	-	61	91	127	427	703
80	900000	-	37 ^{3/}	-	61 ^{3/}	91 ^{3/}	127 ^{3/}	427	703
79	800000	-	37	-	61	91	127	427	703
78	750000	-	37	-	61	91	127	427	703
77	700000	-	37	-	61	91	127	427	703
76	650000	-	37 ^{3/}	-	61 ^{3/}	91	127 ^{3/}	427	703
75	600000	-	-	37	61	91	127	427	703
74	550000	-	-	37 ^{3/}	61 ^{3/}	91 ^{3/}	127 ^{3/}	427	703
73	500000	-	19	-	37	61	91	427	427
72	450000	-	19 ^{3/}	-	37 ^{3/}	61 ^{3/}	91 ^{3/}	259	427
71	400000	-	-	19	37	61	91	259	427
70	350000	-	12	19	37	61	91	259	427
69	300000	-	12	19	37	61	91	259	427
68	250000	-	12	19	37	61	91	259	427

See notes at the end of table.

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TABLE IV. Construction details (type C and type E wire) –Continued. ^{1/}

Wire size designator	Cross sectional area (circular mils)	Approximate American Wire Gauge size ^{2/}	Strand count						
			Type C					Type E	
			Class AA	Class A	Class B	Class C	Class D	Class G	Class H
67	211600	0000	-	7	19	37	61	133	259
66	167800	000	-	7	19	37	61	113	259
65	133100	00	-	7	19	37	61	133	259
64	105600	0	-	7	19	37	37	133	259
01	83690	1	3	-	7	37	61	49	259
02	66360	2	3	-	7	19	37	49	133
03	52620	3	3	-	7	19	37	49	133
04	41740	4	3	-	7	19	37	49	133
05	33090	5	-	-	7	19	37	49	133
06	26240	6	-	-	7	19	37	49	133
07	20820	7	-	-	7	19	37	49	133
08	16510	8	-	-	7	19	37	49	133
09	13090	9	-	-	7	19	37	49	133
10	10380	10	-	-	7	19	37	49	-
12	6534	12	-	-	7	19	37	49	-
14	4110	14	-	-	7	19	37	49	-
16	2580	16	-	-	7	19	-	-	-
18	1620	18	-	-	7	19	-	-	-
20	1020	20	-	-	7	19	-	-	-
22	640	22	-	-	7	19	-	-	-
24	404	24	-	-	7	19	-	-	-
26	253	26	-	-	-	-	-	-	-
28	159	28	-	-	-	-	-	-	-
30	100	30	-	-	-	-	-	-	-
32	64	32	-	-	-	-	-	-	-

^{1/} Number 23 AWG has been dropped.^{2/} For number 10 AWG and smaller wire, the AWG chosen for stranded wires is the number nearest the even-numbered solid wire with a larger cross sectional area.^{3/} Inactive for new design.

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TABLE V. Construction details for type R wire.^{1/}

Wire size designator	Cross sectional area (circular mils)	Approx. AWG size ^{2/}	Strand count			Wire size designator	Cross sectional area (circular mils)	Approx. AWG size ^{2/}	Strand count		
			Type R						Type R		
			Class I 24 AWG strands	Class K 30 AWG strands	Class M 34 AWG strands				Class I 24 AWG strands	Class K 30 AWG strands	Class M 34 AWG strands
99	5000000	-	-	-	-	70	350000	-	882	3458	8806
98	4500000	-	-	-	-	69	300000	-	735	2989	7581
97	4000000	-	-	-	-	68	250000	-	637	2499	6384
96	3500000	-	-	-	-	67	211600	0000	532	2107	5320
95	3000000	-	-	-	-	66	167800	000	418	1666	4256
94	2500000	-	-	-	-	65	133100	00	342	1323	3325
93	2000000	-	4921	-	-	64	105600	0	266	1064	2646
92	1900000	-	4788	-	-	01	83690	1	210	836	2107
91	1900000	-	4522	-	-	02	66360	2	161	665	1666
90	1750000	-	4389	-	-	03	52620	3	133	532	1323
89	1700000	-	4256	-	-	04	41740	4	105	420	1064
88	1600000	-	3990	-	-	05	33090	5	84	336	836
87	1500000	-	3724	-	-	06	26240	6	63	266	665
86	1400000	-	3458	-	-	07	20820	7		210	532
85	1300000	-	3192	-	-	08	16510	8	-	168	420
84	1250000	-	3059	-	-	09	13090	9	-	133	326
83	1200000	-	2926	-	-	10	10380	10	-		259
82	1100000	-	2793	-	-	12	6534	12	-	-	168
81	1000000	-	2527	10101	25913	14	4110	14	-	-	
80	900000	-	2261	9065	22631	16	2580	16	-	-	-
79	800000	-	1995	7980	20069	18	1620	18	-	-	-
78	750000	-	1862	7581	18788	20	1020	20	-	-	-
77	700000	-	1729	6916	17507	22	640	22	-	-	-
76	650000	-	1596	6517	16226	24	404	24	-	-	-
75	600000	-	1470	5985	14945	26	253	26	-	-	-
74	550000	-	1372	5453	13664	28	159	28	-	-	-
73	500000	-	1225	5054	12691	30	100	30	-	-	-
72	450000	-	1127	4522	11396	32	64	32	-	-	-
71	400000	-	980	3990	10101						

^{1/} Number 23 AWG has been dropped.^{2/} For number 10 AWG and smaller wire, the AWG chosen for stranded wires is the number nearest the even numbered solid wire with a larger cross sectional area.

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TABLE VI. Construction details (type H wire).

Wire size designator	Approximate AWG size ^{1/}	Strand count						
		Class B	Class C	Class E	Class F	Class J	Class K	Class S
67	4/0						2109	
66	3/0						1672	
65	2/0						1330	
64	0					1045	1064	
01	1					817	836	
02	2						665	
04	4				133		420	
06	6				133		266	
08	8				133		168	
10	10			37	49	104	105	1
12	12		19	37		65		1
14	14		19		41			1
16	16		19	26				1
18	18	7	19	26				1
20	20	7	10	19				1
22	22	7		19				1
24	24	7		19				1
26	26	7		19				1
28	28	7						1
30	30	7	10					1

^{1/} Except for 3/0 and 1, the AWG number chosen for stranded wires is the number for the nearest even numbered solid wire with a larger cross sectional area.

7. NOTES.

7.1 PIN. The PIN should be used for Government purposed to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. As of the dating of this document, the U.S. Environmental Protection Agency (EPA) is focusing efforts on reducing 31 priority chemicals. The list of chemicals and additional information is available on their website at <http://www.epa.gov/osw/hazard/wastemin/priority.htm>. Included in the list of 31 priority chemicals are cadmium, lead, and mercury. Use of these materials should be minimized or eliminated unless needed to meet the requirements specified herein (see section 3).

7.3 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these wires to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 92755 should be used.

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7.4 Source of documents.

DEPARTMENT OF DEFENSE STANDARD

MIL-STD-202 - Electronic and Electrical Component Parts

(Copies of these documents are available online at <http://assist.daps.dla.mil/quicksearch/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

FEDERAL REGULATIONS

FAR - Federal Acquisition Regulations (FAR)

(Copies of these documents are available online at www.acquisition.gov/comp/far/index.html or from the U.S. Government Printing Office, 732 North Capital Street, NW, Washington D.C. 20401.)

NON-GOVERNMENT PUBLICATIONS

ASTM INTERNATIONAL

- ASTM B8 - Concentric-Lay-Stranded Copper Conductors, Hard Medium-Hard, or Soft
- ASTM B49 - Hot Rolled Copper Redraw Rod for Electrical Purposes
- ASTM B172 - Rope-Lay Stranded Copper Conductors having Bunch-Stranded Members for Electrical Conductors
- ASTM B173 - Rope-Lay Stranded Copper Conductors having Concentric-Stranded Members for Electrical Conductors
- ASTM B174 - Bunch-Stranded Copper Conductors for Electrical Conductors
- ASTM B258 - Standard Nominal Diameters and Cross Sectional Areas of AWG Sizes of Solid Round Wires Used as Electrical Conductors
- ASTM B286 - Copper Conductors for Use in Hookup Wire for Electronic Equipment

(Copies of these documents are available online at <http://www.astm.org> or from the ASTM International, P.O. Box C700, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

7.5 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Type of wire (see 2.1).
- d. Class of wire (see 2.2).
- e. Temper of wire (see 2.3).
- f. Size of wire (see 2.4).
- g. Quantity of wire.
- h. Packaging requirements (see 6).

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7.6 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

MFR's CAGEMFR's name and address**92755**

Northrup Grumman Systems Corporation
1745A West Nursery Road
Lithicum, MD 21090
Telephone: 410-552-2455
Fax: 410-981-2482
<http://www.northgrum.com>

92194

Alpha Wire Corporation
711 Lidgerwood Avenue
Elizabeth, NJ 07207
Telephone: 908-925-8000
Fax: 908-925-6923
<http://www.alphawire.com>

7.7 Part number (P/N) supersession data. These CID PINs supersede the following MFR's P/N's as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE IV. P/N supersession data.

MFR's CAGE	MFR's P/N ^{1/}
92755	1047-417A1-14

- ^{1/} The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part number marking requirements see 3.7.

7.8 Government users. To acquire information on obtaining these conductors from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CDCA, P.O. Box 3990, Columbus, OH 43218-3990, or telephone (614) 692-7940.

7.8.1 National stock numbers (NSN). The following is a list of NSN's assigned which correspond to this CID (see table VII). The list is for information only and may not be indicative of all possible NSN's associated with the CID. For up to date information on assigned NSN's, please contact the aforementioned DSCC office (see 7.8).

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TABLE VII. NSNs.

Wire type	Temper	Coating	Class	Size	NSN
C	2	B	A	67	6145-00-857-1821
C	2	B	A	65	6145-00-299-6211
C	2	B	A	64	6145-00-299-6212
C	2	B	B	67	6145-00-950-7983
C	2	B	B	02	6145-00-299-6213
C	2	B	B	06	6145-00-299-4456
C	2	B	B	08	6145-00-756-2629
C	2	T	B	04	6145-00-170-6467
C	3	B	AA	81	6145-00-857-1844
C	3	B	AA	73	6145-00-857-1839
C	3	B	AA	70	6145-00-857-1838
C	3	B	AA	02	6145-00-857-1829
C	3	B	A	70	6145-00-857-1836
C	3	B	A	68	6145-00-857-1834
C	3	B	A	67	6145-00-857-1822
C	3	B	A	65	6145-00-299-4387
C	3	B	A	65	6145-00-857-1823
C	3	B	A	65	6145-00-857-1824
C	3	B	A	64	6145-00-857-1826
C	3	B	B	64	6145-00-857-1825
E	1	B	G	04	6145-00-023-6778
E	1	B	H	02	6145-01-293-5464
E	1	T	G	06	6145-00-164-6939
H	1	T	H	02	6145-00-284-0632
H	1	B	S	24	6145-01-457-3976
H	1	N	S	18	6145-01-285-4071
H	1	N	S	18	6145-01-370-1242
H	1	T	S	12	6145-01-400-0462
H	1	T	S	14	6145-01-400-0458
H	1	T	S	16	6145-01-351-1424
H	1	T	S	18	6145-01-358-6718
H	1	T	S	20	6145-01-310-4020
H	1	T	S	22	6145-01-290-9351
H	1	T	S	24	6145-01-335-3447
H	1	T	S	24	6145-01-332-7459
H	1	T	S	26	6145-01-335-3448
H	1	T	S	28	6145-01-348-8599
H	1	T	S	30	6145-01-351-7441
H	4	S	S	20	6145-01-418-9108

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TABLE VII. NSNs - Continued.

Wire type	Temper	Coating	Class	Size	NSN
B	1	B	K	10	6145-00-170-9414
B	1	T	I	8	6145-01-157-2046
B	1	T	K	12	6145-01-159-4545
B	1	T	K	16	6145-01-357-6284
B	1	T	K	22	6145-01-578-6866
B	1	T	O	18	6145-00-857-6903
B	1	T	O	24	6145-00-191-8454
B	1	T	O	26	6145-01-371-5752
C	1	B	B	70	6145-00-059-9782
C	1	B	B	68	6145-00-059-9781
C	1	B	B	67	6145-00-059-9780
C	1	B	B	67	6145-01-124-1312
C	1	B	B	65	6145-00-059-9779
C	1	B	B	64	6145-00-059-9776
C	1	B	B	64	6145-01-235-2177
C	1	B	B	02	6145-00-059-9775
C	1	B	B	02	6145-00-027-7351
C	1	B	B	04	6145-00-500-2973
C	1	B	B	04	6145-00-059-9777
C	1	B	B	06	6145-01-226-9164
C	1	B	B	20	6145-00-240-9795
C	1	B	C	04	6145-00-500-1835
C	1	B	C	06	6145-00-059-9778
C	1	T	B	06	6145-00-395-8799
C	1	T	B	14	6145-00-128-8695
C	1	T	B	16	6145-00-617-0352
C	1	T	C	16	6145-00-583-0314
C	1	T	C	16	6145-01-282-5710
C	1	T	C	20	6145-00-057-4766
C	1	T	C	22	6145-00-144-0210
C	1	B	AA	81	6145-00-857-1845
C	2	B	AA	78	6145-00-857-1843
C	2	B	AA	73	6145-00-857-1841
C	2	B	AA	68	6145-00-857-1835
C	2	B	AA	02	6145-00-857-1827
C	2	B	AA	04	6145-00-857-1830
C	2	B	A	70	6145-00-857-1837

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TABLE VII. NSNs - Continued.

Wire type	Temper	Coating	Class	Size	NSN
R	1	B	K	04	6145-00-828-8371
R	1	B	M	10	6145-00-818-3613
R	1	T	M	04	6145-00-174-1302
R	1	T	M	06	6145-00-052-6720
R	1	T	M	08	6145-01-247-9460
R	1	T	M	10	6145-00-643-4307
R	1	T	M	12	6145-00-689-7447
S	1	B	S	10	6145-00-243-5828
S	1	B	S	12	6145-00-238-3409
S	1	B	S	14	6145-00-238-3407
S	1	B	S	16	6145-00-299-5186
S	1	B	S	18	6145-00-236-9491
S	1	B	S	20	6145-00-236-9489
S	1	B	S	22	6145-00-669-6564
S	1	B	S	24	6145-00-236-9503
S	1	B	S	26	6145-00-236-9501
S	1	B	S	28	6145-00-234-4993
S	1	B	S	30	6145-00-234-4991
S	1	B	S	34	6145-00-236-9483
S	1	B	S	36	6145-00-581-9480
S	1	N	S	16	6145-01-441-9150
S	1	N	S	20	6145-01-441-9149
S	1	N	S	22	6145-01-441-9152
S	1	N	S	24	6145-01-441-8571
S	1	S	S	18	6145-01-435-3202
S	1	S	S	20	6145-00-538-8506
S	1	S	S	22	6145-00-935-8635
S	1	S	S	24	6145-00-935-8634
S	1	S	S	30	6145-01-245-7292
S	1	T	S	10	6145-00-128-8686
S	1	T	S	12	6145-00-660-8584
S	1	T	S	14	6145-00-681-8372
S	1	T	S	16	6145-00-128-8696
S	1	T	S	18	6145-00-669-6642
S	1	T	S	20	6145-00-839-7432
S	1	T	S	20	6145-01-004-6340
S	1	T	S	22	6145-00-160-4775
S	1	T	S	24	6145-00-577-3420
S	1	T	S	26	6145-00-838-9444
S	1	T	S	28	6145-00-982-8397
S	1	T	S	30	6145-00-548-2672
S	1	T	S	34	6145-00-593-3782
S	1	T	S	36	6145-01-244-1205
S	1	T	S	43	6145-00-006-8537
S	1	T	S	48	6145-01-149-5423
S	2	B	S	10	6145-00-061-6865
S	2	B	S	12	6145-00-838-9874
S	2	B	S	14	6145-00-161-5415
S	2	B	S	16	6145-01-217-3022
S	2	B	S	18	6145-00-299-4459
S	2	B	S	20	6145-01-242-1938
S	2	B	S	22	6145-01-253-6696
S	2	B	S	24	6145-01-258-8570

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TABLE VII. NSNs – Continued.

Wire type	Temper	Coating	Class	Size	NSN
S	2	B	S	26	6145-01-400-0460
S	2	T	S	28	6145-01-198-5914
S	2	T	S	12	6145-01-215-0174
S	2	T	S	14	6145-01-313-1420
S	2	T	S	16	6145-00-833-5236
S	2	T	S	18	6145-00-836-6916
S	2	T	S	20	6145-01-383-8771
S	2	T	S	24	6145-01-200-4055
S	2	T	S	26	6145-01-200-4054
S	2	T	S	30	6145-01-155-9297
S	3	B	S	10	6145-00-256-3984
S	3	B	S	14	6145-00-500-0983
S	3	B	S	22	6145-00-229-9844
S	3	B	S	24	6145-01-288-1579
S	3	B	S	26	6145-01-397-5501
S	3	T	S	12	6145-01-185-3720
S	3	T	S	14	6145-00-129-9319
S	3	T	S	16	6145-01-269-4406
S	3	T	S	18	6145-01-288-2151

7.9 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

MILITARY INTERESTS:

Custodians:

Army - CR
Navy - AS
Air Force - 85
DLA - CC

Review activities:

Army - AR, MI
Navy – CG, MC, SH
Air Force – 06, 99

CIVIL AGENCY
COORDINATING ACTIVITIES:

GSA - FSS

Preparing Activity:
DLA - CC

(Project 6145-2008-122)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of this information above using the ASSIST Online database at <http://assist.daps.dla.mil>.