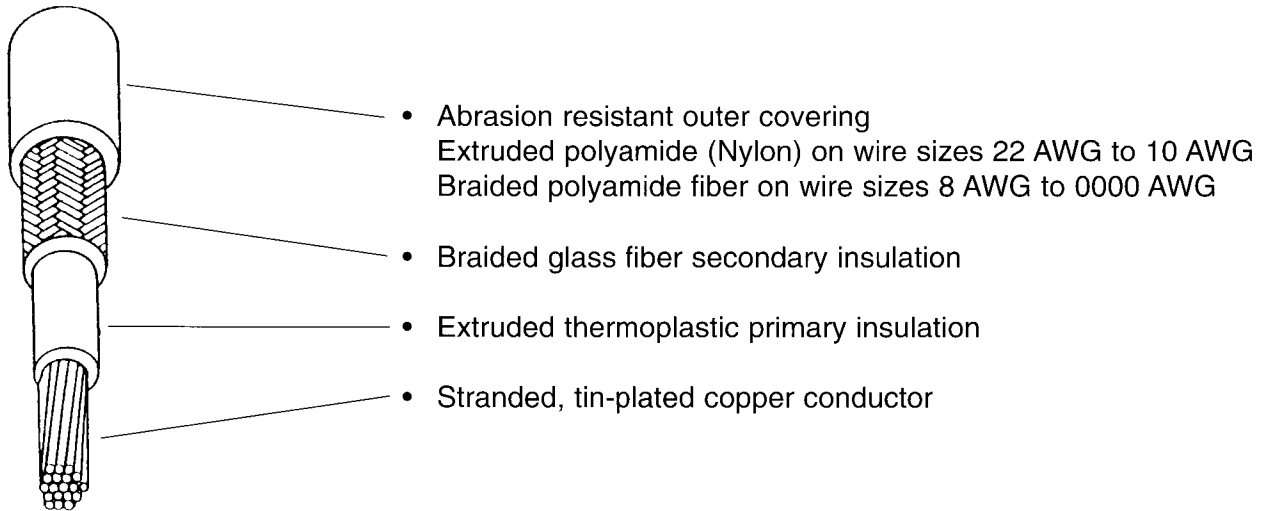




MIL-W-5086/2 (SAE AS50861) GENERAL PURPOSE ELECTRICAL WIRE

A rugged, general purpose, electrical interconnect wire for use in applications where resistance to abrasion, humidity and oil is required. QPL approved (Cage No. 60685).



OPERATING CHARACTERISTICS

- Voltage Rating: 600 V
- Wet Dielectric Withstand: 2000 V (minimum)
- Temperature Rating: -55C to +105C (maximum continuous use)
- Fluid Resistance: Per SAE AS50861 and including lubricating oil, hydraulic fluid, isopropyl alcohol and jet fuel
- Humidity Resistance: Per SAE AS50861 (wire sizes 22 AWG to 10 AWG only)
- Color: White is standard, other colors available upon request
- Identification: "M5086/2-X 60685" where "X" represents wire size

IT'S IN THE NAME!

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FINISHED WIRE CONSTRUCTION DETAILS

WIRE SIZE (AWG)	STRANDING	MAX RESISTANCE AT 20C (OHM/1000 ft)	DIAMETER (in)	WEIGHT (MAX, lb/1000')
22	19 x 34	16.2	.075 +/- .005	4.70
20	19 x 32	9.88	.085 +/- .005	6.80
18	19 x 30	6.23	.095 +/- .005	9.50
16	19 x 29	4.81	.105 +/- .005	11.90
14	19 x 27	3.06	.125 +/- .007	18.30
12	37 x 28	2.02	.143 +/- .007	26.0
10	37 x 28	1.26	.189 +/- .007	44.0
8	133 x 29	.701	.240 +/- .007	70.0
6	133 x 27	.445	.293 +/- .007	110.0
4	133 x 25	.280	.355 +/- .010	165.0
2	665 x 30	.183	.425 +/- .010	250.0
1	617 x 30	.149	.470 +/- .010	305.0
0	1045 x 30	.116	.525 +/- .015	400.0
00	1330 x 30	.091	.590 +/- .015	500.0
000	1665 x 30	.071	.650 +/- .015	620.0
0000	2109 x 30	.058	.720 +/- .015	785.0

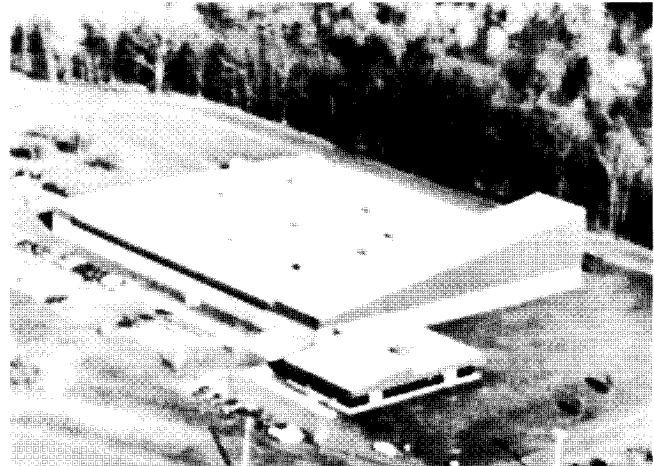
CROSS REFERENCE PART NUMBER GUIDE

PART NUMBER (MILITARY)

M5086/2-22
M5088/2-20
M5086/2-18
M5086/2-16
M5086/2-14
M5086/2-12
M5086/2-10
M5086/2-8
M5086/2-6
M5086/2-4
M5086/2-2
M5086/2-1
M5086/2-01
M5086/2-02
M5086/2-03
M5086/2-04

PART NUMBER (SCC)

815-4895017
815-4895249
815-4896177
815-4896193
815-4895256
815-4895025
815-4896225
815-4895264
815-4895033
815-4896257
815-4895272
815-4896273
815-4896289
815-4896305
815-4896321
815-4895041



Modern 65,000 square foot manufacturing facility located in Wallingford, Connecticut.

SPECIAL DESIGNS: The cable designs in this table represent our standard product line. If you require special modifications or unique designs, Specialty's design and testing facilities can produce special cables for the most demanding applications.

For further information or additional copies of this technical data sheet, call or write:

SPECIALTY CABLE CORPORATION

2 Tower Drive • P.O. Box 50 • Wallingford, CT 06492
Phone (203) 265-7126 • Fax (203) 269-5293 • WATS (800) 456-SPEC (7732)
<http://www.specialtycable.com>

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