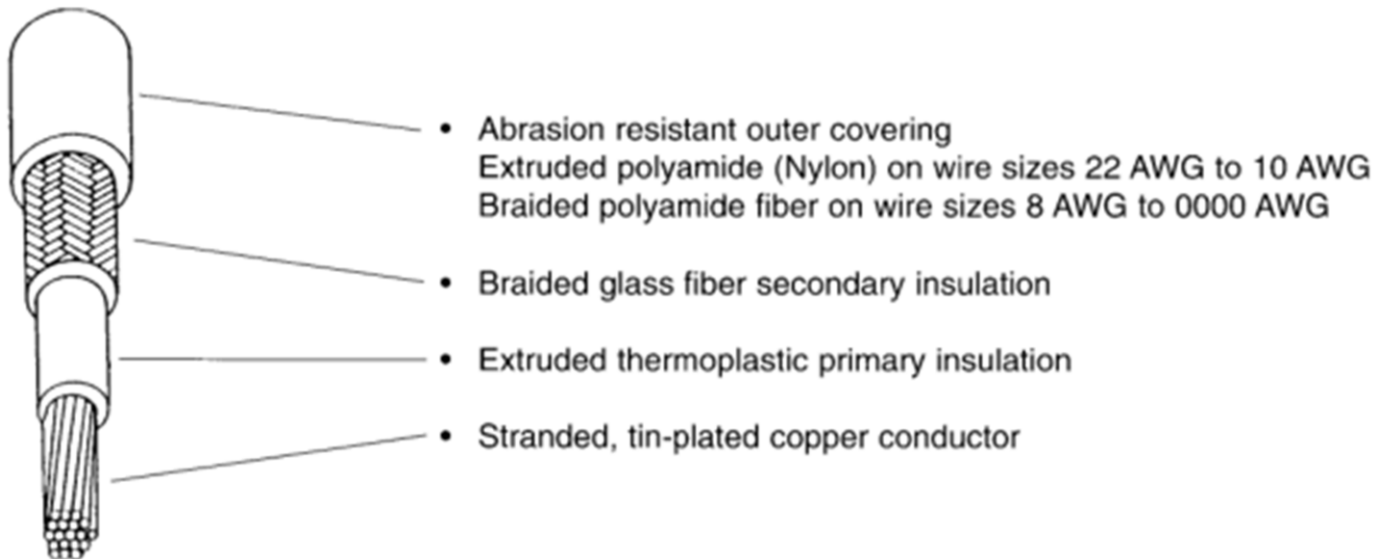


*A rugged, general purpose, electrical interconnect wire for use in applications where resistance to abrasion, humidity and oil is required. QPL approved (Cage No. 60685).*



### 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

## 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.

**Custom Cables:** The cables in this table represent our standard product line. If you require special modifications or unique customizations, SCC engineers along with our extensive testing facilities can create and produce special cables for the most demanding applications.