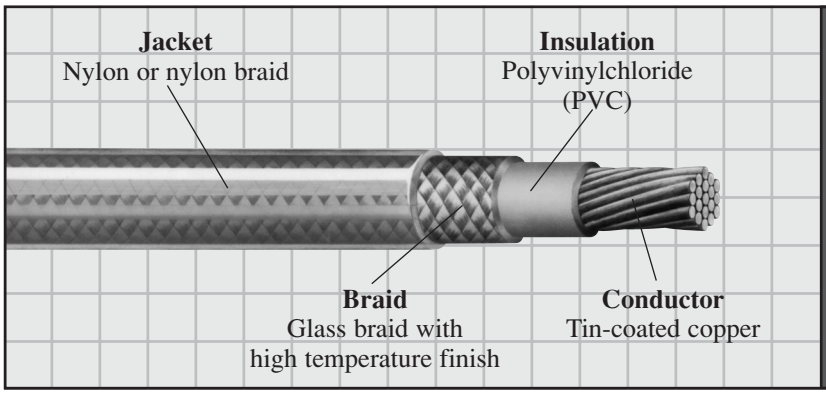

Polyvinylchloride/ Braid/Nylon-600V, 105°C

Military

MIL-W-5086/2

Application

This general purpose PVC/braid/nylon wiring material may be used in electrical or electronic applications where severe mechanical environments may be encountered. The inner braid and outer nylon jacket provide exceptional resistance to cut-through and abrasion. The wire also has excellent resistance to moisture, fuels, hydraulic fluids, and other common industrial solvents. This wire should be considered for use in any application where it may be exposed to chemicals, cut-through, impact, abrasion, or other abuse. Due to the PVC content, this wire should not be used in manned aerospace systems.

Conductor

Soft annealed tinned copper, stranded as listed below.

Insulation

Thermoplastic Polyvinylchloride compounded for high temperature use.

Jacket

Impregnated glass braid plus clear nylon extrusion or nylon braid for larger sizes.

Approvals & Ratings

600 volt AC, 105°C continuous conductor temperature, MIL-W-5086/2.

Product Number	Conductor Size (AWG)	(mm^2)	Stranding	Jacket Wall (Inch)	(mm)	Diameter (Inch)	(mm)	Approx. Weight (#/m')	(kg/km)
M5086/2-22	22	.38	19/34	.006	.15	0.073	1.85	4.2	6.25
M5086/2-20	20	.62	19/32	.006	.15	0.083	2.11	6.2	9.22
M5086/2-18	18	.96	19/30	.006	.15	0.093	2.36	8.6	12.8
M5086/2-16	16	1.23	19/29	.006	.15	0.103	2.62	10.7	16
M5086/2-14	14	1.94	19/27	.006	.15	0.126	3.20	16.7	25
M5086/2-12	12	3.00	37/28	.006	.15	0.143	3.63	25.0	37
M5086/2-10	10	4.74	37/26	.008	.20	0.189	4.80	40.1	60
THE SIZES LISTED BELOW HAVE NYLON BRAID OVERALL									
M5086/2-8	8	8.61	133/29	.008	.20	0.239	6.07	66.0	98
M5086/2-6	6	13.6	133/27	.008	.20	0.293	7.44	104.6	156
M5086/2-4	4	22.0	133/25	.008	.20	0.349	8.86	160.1	238
M5086/2-2	2	34.0	665/30	.008	.20	0.420	10.7	245.0	364
M5086/2-1	1	41.0	817/30	.008	.20	0.467	11.9	304.0	452
M5086/2-01	1/0	53.0	1045/30	.008	.20	0.525	13.3	392.0	583
M5086/2-02	2/0	67.0	1330/30	.008	.20	0.587	14.9	493.0	733
M5086/2-03	3/0	85.0	1661/30	.008	.20	0.640	16.0	604.0	899
M5086/2-04	4/0	107.0	2109/30	.008	.20	0.725	18.0	770.0	1146