Specification Details: **Date: 6/3/2008**

Specification: MIL-DTL-81381
Title: Wire, Electrical, Polyimide-Insulated Copper or Copper Alloy
Federal Supply Class (FSC): 6145
Conventional: Yes
Specification contains quality assurance program: No
MIL-STD-790 Established Reliability & High Reliability: No
MIL-STD-690 Failure Rate Sampling Plans & Procedures: No
Weibull Graded: No
Specification contains space level reliability requirements: No
Specification allows test optimization: No

Contact Information:

DSCC Office of Primary Involvement: Passive Devices Team, DSCC-VQP
Primary DSCC-VQ Contact: 614-692-7108, e-mail: vqp.kl@dla.mil
Secondary DSCC-VQ Contact: 614-692-2867, e-mail: vqp.ab@dla.mil

Notes:

N/A

Part Configuration:

M81381/1-22-9

Specification Sheet Number	Wire Size	Insulation Color Designator
M81381/1	-22	-9

Part Listings:

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
M81381/7-10 thru -26	LA81/7	01902301.AA/9-30-97	/7	Barcel Wire and Cable Corp.
M81381/7-10 thru -26	38107	01923601.AA/9-30-97	/7	Berk-Tek Electronics Cable
M81381/7-10 thru -26	81381/7	01923801.AA/9-30-97	/7	Tensolite Company
M81381/8-10 thru -26	LA81/	01902301.AA/9-3097	/8	Barcel Wire and Cable Corp.
M81381/8-10 thru -26	38108	01923601.AA/9-30-97	/8	Berk-Tek Electronics Cable
M81381/8-10 thru -26	81381/8	01902301.AA/9-30-97	/8	Tensolite Company
M81381/9-20 thru -30	LA81/9	01902301.AA/9-30-97	/9	Barcel Wire and Cable Corp.
M81381/9-20 thru -26	38109	01923601.AA/9-30-97	/9	Berk-Tek Electronics Cable
M81381/9-20 thru -26	81381/9	01923801.AA/9-30-97	/9	Tensolite Company
M81381/10-20 thru -30	LA81/10	019023801.AA/9-30-97	/10	Barcel Wire and Cable Corp.
M81381/10-20 thru -26	38110	01923601.AA/9-30-97	/10	Berk-Tek Electronics Cable
M81381/10-20 thru -26	81381/10	01923801.AA/9-30-97	/10	Tensolite Company
M81381/11-2 thru -26	LA81/11	01902301.AA/9-30-97	/11	Barcel Wire and Cable Corp.
M81381/11-10 thru -24	38111	01923601.AA/9-30-97	/11	Berk-Tek Electronics Cable
M81381/11-2	814-4854139	01922301.AA/9-30-97	/11	Specialty Cable Corp.
M81381/11-4	814-4854121	01922301.AA/9-30-97	/11	Specialty Cable Corp.
M81381/11-6	814-4854113	01922301.AA/9-30-97	/11	Specialty Cable Corp.
M81381/11-8	814-4854105	01922301.AA/9-30-97	/11	Specialty Cable Corp.

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M81381/11-2 thru -24	81381/11	01923801.AA/9-30-97	/11	Tensolite Company
M81381/12-2 thru -24	LA81/12	01902301.AA/9-30-97	/12	Barcel Wire and Cable Corp.
M81381/12-10 thru -24	38112	01923601.AA/9-30-97	/12	Berk-Tek Electronics Cable
M81381/12-2	814-4854170	01922301.AA/9-30-97	/12	Specialty Cable Corp.
M81381/12-4	814-4854162	01922301.AA/9-30-97	/12	Specialty Cable Corp.
M81381/12-6	814-8454154	01922301.AA/9-30-97	/12	Specialty Cable Corp.
M81381/12-8	814-4854147	01922301.AA/9-30-97	/12	Specialty Cable Corp.
M81381/12-2 thru -24	81381/12	01923801.AA/9-30-97	/12	Tensolite Company
M81381/13-20 thru -28	LA81/13	01902301.AA/9-30-97	/13	Barcel Wire and Cable Corp.
M81381/13-20 thru -26	28113	01923601.AA-9-30-97	/13	Berk-Tek Electronics Cable
M81381/13-20 thru -26	81381/13	01923801.AA/9-30-97	/13	Tensolite Company
M81381/14-20 thru -28	LA81/14	01902301.AA/9-30-97	/14	Barcel Wire and Cable Corp.
M81381/14-20 thru -26	38114	01923601.AA/9-30-97	/14	Berk-Tek Electronics Cable
M81381/14-20 thru -26	81381/14	01923801.AA/9-30-97	/14	Tensolite Company
M81381/17-12 thru -26	LA81/17	01902302.AA/9-30-97	/17	Barcel Wire and Cable Corp.
M81381/17-12 thru -26	38117	01923602-AA/9-30-97	/17	Berk-Tek Electronics Cable
M81381/17-12 thru -26	81381/17	01623802.AA/9-30-97	/17	Tensolite Company
M81381/18-12 thru -26	LA81/18	01902302.AA/9-30-97	/18	Barcel Wire and Cable Corp.
M81381/18-12 thru -26	38118	01923602.AA/9-30-97	/18	Berk-Tek Electronics Cable
M81381/18-12 thru -26	81381/18	01623802.AA/9-30-97	/18	Tensolite Company
M81381/19-20 thru -30	LA81/19	01902302.AA/9-30-97	/19	Barcel Wire and Cable Corp.
M81381/19-20 thru -30	38119	01923602.AA/9-30-97	/19	Berk-Tek Electronics Cable
M81381/19-20 thru -30	81381/19	01623802.AA/9-30-97	/19	Tensolite Company
M81381/20-20 thru -30	LA81/20	01902302.AA/9-30-97	/20	Barcel Wire and Cable Corp.
M81381/20-20 thru -30	38120	01923602.AA/9-30-97	/20	Berk-Tek Electronics Cable
M81381/20-20 thru -30	81381/20	01623802.A/9-30-97	/20	Tensolite Company
M81381/21-10 thru -26	LA81/21	01902301.AA/9-30-97	/21	Barcel Wire and Cable Corp.
M81381/21-10 thru -26	38121	01923601.AA/9-30-97	/21	Berk-Tek Electronics Cable
M81381/21-10 thru -26	81381/21	01923801.AA/9-30-97	/21	Tensolite Company
M81381/22-01	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-02	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-10	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-12	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22--14	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22--16	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-18	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.

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M81381/22-2	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-20	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-22	LA81/22-22	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-24	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-4	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-6	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-8	LA81/22-24	01902301.AA/9-30-97	/22	Barcel Wire and Cable Corp.
M81381/22-10 thru -24	38122	01923601.AA/9-30-97	/22	Berk-Tek Electronics Cable
M81381/22-01	814-4852204	01922301.AA/9-30-97	/22	Specialty Cable Corp.
M81381/22-02	814-4854212	01922301.AA/9-30-97	/22	Specialty Cable Corp.
M81381/22-2	814-4854196	01922301.AA/9-30-97	/22	Specialty Cable Corp.
M81381/22-4	814-4850575	01922301.AA/9-30-97	/22	Specialty Cable Corp.
M81381/22-4	814-4853016	01922301.AA/9-30-97	/22	Specialty Cable Corp.
M81381/22-6	814-4852497	01922301.AA/9-30-97	/22	Specialty Cable Corp.
M81381/22-6	814-4853008	01922301.AA/9-30-97	/22	Specialty Cable Corp.
M81381/22-8	814-4854188	01922301.AA/9-30-97	/22	Specialty Cable Corp.
M81381/22-01	81381/22-01	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-02	81381/22-02	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-10	81381/22-10	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-12	81381/22-12	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-14	81381/22-14	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-16	81381/22-16	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-18	81381/22-18	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-2	81381/22-2	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-20	81381/22-20	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-22	81381/22-22	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-24	81381/22-24	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-4	81381/22-4	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-6	81381/22-6	01923801.AA/9-30-97	/22	Tensolite Company
M81381/22-8	81381/22-8	01923801.AA/9-30-97	/22	Tensolite Company

Manufacturer and Supplier Location Information

Manufacturer: Barcel Wire and Cable Corp. (CAGE Code: 28427)
Location: 2851 Alton Avenue, Irvine, CA 92606, US

Plant Location: Same Address as Manufacturer

Manufacturer: Berk-Tek Electronics Cable (CAGE Code: 12515)
Location: A Nexans Company, P.O. Box 909, Highway 301A, Elm City, NC 27822-0909, US

Plant Location: Same Address as Manufacturer

Manufacturer: Specialty Cable Corp. (CAGE Code: 60685)
Location: 2 Tower Drive, Wallingford, CT 06492-5913, US

Plant Location: Same Address as Manufacturer

Manufacturer: Tensolite Company (CAGE Code: 92607)
Location: 100 Tensolite Drive, St. Augustine, FL 32092-0590, US

Plant Location: Same Address as Manufacturer