Specification Details: **Date: 1/21/2010**

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 Branch, DSCC-VQP
Primary DSCC-VQ Contact: 614-692-0620, e-mail: vqp.rvm@dla.mil
Secondary DSCC-VQ Contact: 613-692-2193, e-mail: vqp.st@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	38107	01923601.AA/9-30-97	/7	Berk-Tek Electronics Cable
M81381/7-10 thru -26	81381/7	01923801.AA/9-30-97	/7	Carlisle Interconnect Technologies
M81381/7-10 thru -26	K6	01902301.AA/9-30-97	/7	Thermax
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	Carlisle Interconnect Technologies
M81381/8-10 thru -26	K6N	01902301.AA/9-3097	/8	Thermax
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	Carlisle Interconnect Technologies
M81381/9-20 thru -30	K6TF	01902301.AA/9-30-97	/9	Thermax
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	Carlisle Interconnect Technologies
M81381/10-20 thru -30	K6TFN	019023801.AA/9-30-97	/10	Thermax
M81381/11-10 thru -24	38111	01923601.AA/9-30-97	/11	Berk-Tek Electronics Cable
M81381/11-2 thru -24	81381/11	01923801.AA/9-30-97	/11	Carlisle Interconnect Technologies
M81381/11-2	814-4854139	01922301.AA/9-30-97	/11	Specialty Cable Corp.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
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.
M81381/11-2 thru -26	K8	01902301.AA/9-30-97	/11	Thermax
M81381/12-10 thru -24	38112	01923601.AA/9-30-97	/12	Berk-Tek Electronics Cable
M81381/12-2 thru -24	81381/12	01923801.AA/9-30-97	/12	Carlisle Interconnect Technologies
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	K8N	01902301.AA/9-30-97	/12	Thermax
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	Carlisle Interconnect Technologies
M81381/13-20 thru -28	K8TF	01902301.AA/9-30-97	/13	Thermax
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	Carlisle Interconnect Technologies
M81381/14-20 thru -28	K8TFN	01902301.AA/9-30-97	/14	Thermax
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	Carlisle Interconnect Technologies
M81381/17-12 thru -26	K4	01902302.AA/9-30-97	/17	Thermax
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	Carlisle Interconnect Technologies
M81381/18-12 thru -26	K4N	01902302.AA/9-30-97	/18	Thermax
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	Carlisle Interconnect Technologies
M81381/19-20 thru -30	K4TF	01902302.AA/9-30-97	/19	Thermax
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	Carlisle Interconnect Technologies
M81381/20-20 thru -30	K4TFN	01902302.AA/9-30-97	/20	Thermax
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	Carlisle Interconnect Technologies

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
M81381/21-10 thru -26	K6Z	01902301.AA/9-30-97	/21	Thermax
M81381/22-10 thru -24	38122	01923601.AA/9-30-97	/22	Berk-Tek Electronics Cable
M81381/22-01	81381/22-01	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-02	81381/22-02	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-10	81381/22-10	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-12	81381/22-12	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-14	81381/22-14	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-16	81381/22-16	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-18	81381/22-18	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-2	81381/22-2	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-20	81381/22-20	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-22	81381/22-22	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-24	81381/22-24	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-4	81381/22-4	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-6	81381/22-6	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
M81381/22-8	81381/22-8	01923801.AA/9-30-97	/22	Carlisle Interconnect Technologies
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	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-02	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-10	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-12	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-14	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-16	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-18	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-2	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-20	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-22	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-24	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-4	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-6	K8Z	01902301.AA/9-30-97	/22	Thermax
M81381/22-8	K8Z	01902301.AA/9-30-97	/22	Thermax

Manufacturer and Supplier Location Information

Manufacturer: Berk-Tek Electronics Cable (CAGE Code: 12515)

Location: A Nexans Company, P.O. Box 909, Highway 301A, Elm City, NC 27822-0909, US

Plants:
1. Same Address as Manufacturer

Manufacturer: Carlisle Interconnect Technologies (CAGE Code: 92607)

Location: (Formerly Tensolite), 100 Tensolite Drive, St. Augustine, FL 32092-0590, US

Plants:
1. Same Address as Manufacturer

Manufacturer: Specialty Cable Corp. (CAGE Code: 60685)

Location: 2 Tower Drive, Wallingford, CT 06492-5913, US

Plants:
1. Same Address as Manufacturer

Manufacturer: Thermax (CAGE Code: 12814)

Location: 235 North Freeport Drive, Nogales, AZ 85621, US

Plants:
1. Thermax, Calle Bustamante 645 Colonia Granja, Nogales, Sonora 84065, Mexico