**Specification Details:** **Date: 6/24/2019**

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:**

Office of Primary Involvement: Passive Devices Branch, DLA Land and Maritime - VQP
Primary Qualifying Activity Contact: 614-692-3131, e-mail: vqp.lc@dla.mil
Secondary Qualifying Activity Contact: 614-692-2152, e-mail: vqp.cr@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 | K6 | 01902301.AA/9-30-97 | /7 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/7-10 thru -26 | 81381/7 | 01923801.AA/9-30-97 | /7 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/8-10 thru -26 | K6N | 01902301.AA/9-3097 | /8 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/8-10 thru -26 | 81381/8 | 01902301.AA/9-30-97 | /8 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/9-20 thru -30 | K6TF | 01902301.AA/9-30-97 | /9 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/9-20 thru -26 | 81381/9 | 01923801.AA/9-30-97 | /9 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/10-20 thru -30 | K6TFN | 019023801.AA/9-30-97 | /10 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/10-20 thru -26 | 81381/10 | 01923801.AA/9-30-97 | /10 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/11-2 thru -26 | K8 | 01902301.AA/9-30-97 | /11 | Carlisle Interconnect Technologies (Nogales, AZ) |

| PART LISTINGS | | | | |
|---|---|---|---|---|
| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFI-CATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
| M81381/11-2 thru -24 | 81381/11 | 01923801.AA/9-30-97 | /11 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| 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. |
| M81381/12-2 thru -24 | K8N | 01902301.AA/9-30-97 | /12 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/12-2 thru -24 | 81381/12 | 01923801.AA/9-30-97 | /12 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| 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. |
| M81381/13-20 thru -28 | K8TF | 01902301.AA/9-30-97 | /13 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/13-20 thru -26 | 81381/13 | 01923801.AA/9-30-97 | /13 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/14-20 thru -28 | K8TFN | 01902301.AA/9-30-97 | /14 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/14-20 thru -26 | 81381/14 | 01923801.AA/9-30-97 | /14 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/17-12 thru -26 | K4 | 01902302.AA/9-30-97 | /17 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/17-12 thru -26 | 81381/17 | 01623802.AA/9-30-97 | /17 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/18-12 thru -26 | K4N | 01902302.AA/9-30-97 | /18 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/18-12 thru -26 | 81381/18 | 01623802.AA/9-30-97 | /18 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/19-20 thru -30 | K4TF | 01902302.AA/9-30-97 | /19 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/19-20 thru -30 | 81381/19 | 01623802.AA/9-30-97 | /19 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/20-20 thru -30 | K4TFN | 01902302.AA/9-30-97 | /20 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/20-20 thru -30 | 81381/20 | 01623802.A/9-30-97 | /20 | Carlisle Interconnect Technologies (St. Augustine, FL) |

| 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 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/21-10 thru -26 | 81381/21 | 01923801.AA/9-30-97 | /21 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-01 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-02 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-10 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-12 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-14 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-16 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-18 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-2 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-20 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-22 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-24 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-4 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-6 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-8 | K8Z | 01902301.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (Nogales, AZ) |
| M81381/22-01 | 81381/22-01 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-02 | 81381/22-02 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-10 | 81381/22-10 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-12 | 81381/22-12 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-14 | 81381/22-14 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-16 | 81381/22-16 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-18 | 81381/22-18 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-2 | 81381/22-2 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-20 | 81381/22-20 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-22 | 81381/22-22 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |

| PART LISTINGS | | | | |
|---|---|---|---|---|
| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFI-CATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
| M81381/22-24 | 81381/22-24 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-4 | 81381/22-4 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-6 | 81381/22-6 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| M81381/22-8 | 81381/22-8 | 01923801.AA/9-30-97 | /22 | Carlisle Interconnect Technologies (St. Augustine, FL) |
| 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. |

## Manufacturer and Supplier Location Information

**Manufacturer: Carlisle Interconnect Technologies (CAGE Code: 12814)**
Location: 949 W. Bell Road, Nogales, AZ 85621, US

Plants:

1. Carlisle Interconnect Technologies, Blvd Luis Donaldo Colosio M# 1195, Col. Obrera, Nogales, Sonora, Mexico 84048

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

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Specialty Cable Corp. (CAGE Code: 60685)**
Location: P. O. Box 50, 2 Tower Drive, Wallingford, CT 06492, US

Plants:

1. Plant: Same Address as Manufacturer