Specification Details: **Date: 7/23/2009**

Specification: MIL-DTL-13486
Title: Cable, Special Purpose, Electrical: Low-Tension, Heavy-Duty, Single-Conductor and Multiconductor, Shielded and Unshielded
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:

Qualification of any one item in the grouping covers all items in the grouping. As of February 1992, no Group 7 low tension cables have been qualified under MIL-DTL-13486. Pending approval of these cables for inclusion on the QPL, the qualification requirement (paragraph 3.1) of MIL-DTL-13486 shall be waived; however, Group 7 low tension cables furnished under this specification shall be capable of passing the qualification tests, and procuring agencies may require contractors to furnish specimens of the cables that they propose to supply for Government inspection and contractual approval. Procurement agencies shall specify the particular tests necessary for contractual approval.

Classification: Cable is of the following types and classes, as specified:
Type I ¿ Unshielded
Type II ¿ Shielded
Class A ¿ Single Conductor
Class B ¿ Multiconductor

Size and arrangement of conductors. Cable is furnished in the size or combination of sizes and arrangement of conductors shown on the applicable specification sheet or drawing.

Part Configuration:

M13486/1-3

Specification	Specification Sheet Number	Dash Number
M13486	/1	-3

Part Listings:

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
TYPE I (UNSHIELDED)			
CLASS A (SINGLE CONDUCTOR)			
GROUP 1			
FIGURE 1			
M13486/1-3		5086	Draka Cableteq USA, Inc.
M13486/1-4		5086	Draka Cableteq USA, Inc.
M13486/1-5		5086	Draka Cableteq USA, Inc.
M13486/1-6		5086	Draka Cableteq USA, Inc.
M13486/1-3		4065	General Cable Corp.
M13486/1-4		4065	General Cable Corp.
M13486/1-5		4065	General Cable Corp.
M13486/1-6		4065	General Cable Corp.
M13486/1-3		4961, MIL-C-13486/182	Prestolite Wire LLC
M13486/1-4		4961, MIL-C-13486/182	Prestolite Wire LLC
M13486/1-5		4961, MIL-C-13486/182	Prestolite Wire LLC
BUNA/NEOPRENE			
M13486/1-6	105013	4961, MIL-C-13486/182	Prestolite Wire LLC

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
TYPE I (UNSHIELDED)			
CLASS A (SINGLE CONDUCTOR)			
GROUP 1			
FIGURE 1			
EPDM/NEOPRENE			
M13486/1-6	138703	4961, MIL-C-13486/182	Prestolite Wire LLC
OPTIONAL CONSTRUCTION			
M13486/1-3		51014	Draka Cableteq USA, Inc.
M13486/1-4		51014	Draka Cableteq USA, Inc.
M13486/1-5		51014	Draka Cableteq USA, Inc.
M13486/1-6	090092-R-G16	51014	Draka Cableteq USA, Inc.
FIGURE 2			
SINGLE EXTRUSION CHLORINATED POLYETHYLENE (CPE)			
M13486/1-3	143974	USATAAC Ltr, dtd 23 Dec 94	Prestolite Wire LLC
M13486/1-4	132980	USATAAC Ltr, dtd 23 Dec 94	Prestolite Wire LLC
M13486/1-5	143975	USATAAC Ltr, dtd 23 Dec 94	Prestolite Wire LLC
M13486/1-6	144665	USATAAC Ltr, dtd 23 Dec 94	Prestolite Wire LLC
SINGLE EXTRUSION HYPALON			
M13486/1-10		851016	Draka Cableteq USA, Inc.
M13486/1-3	7722204	9ND-NADC, Dtd 16 Feb 84	General Cable Corp.
M13486/1-4	8690176	9ND-NADC, Dtd 16 Feb 84	General Cable Corp.
M13486/1-5	7720853	9ND-NADC, Dtd 16 Feb 84	General Cable Corp.
M13486/1-6	7056679	9ND-NADC, Dtd 16 Feb 84	General Cable Corp.
M13486/1-3	129432	MIL-C-13486-1171, DA-11472	Prestolite Wire LLC
M13486/1-4	129433	MIL-C-13486-1171, DA-11472	Prestolite Wire LLC
M13486/1-5	129434	MIL-C-13486-1171, DA-11472	Prestolite Wire LLC
M13486/1-6	129435	MIL-C-13486-1171, DA-11472	Prestolite Wire LLC
M13486/1-3	171219-1-3-16	13486-958-04	Therm-O-Link, Inc.
M13486/1-4	171219-1-4-16	13486-958-04	Therm-O-Link, Inc.
M13486/1-5	171219-1-5-14	13486-958-04	Therm-O-Link, Inc.
M13486/1-6	171219-1-6-14	13486-958-04	Therm-O-Link, Inc.
GROUP 2			
FIGURE 1			
M13486/1-7		851016	Draka Cableteq USA, Inc.
M13486/1-9		851016	Draka Cableteq USA, Inc.
M13486/1-7		4065	General Cable Corp.
M13486/1-9		4065	General Cable Corp.
M13486/1-10		4065	General Cable Corp.
BUNA/NEOPRENE			
M13486/1-7	104014	4961, MIL-C-13486/182	Prestolite Wire LLC
M13486/1-9	105015	4961, MIL-C-13486/182	Prestolite Wire LLC
M13486/1-10	105016	4961, MIL-C-13486/182	Prestolite Wire LLC
EPDM/NEOPRENE			
M13486/1-7		851016	Draka Cableteq USA, Inc.
M13486/1-9		851016	Draka Cableteq USA, Inc.
M13486/1-10	09146-R-G12	851016	Draka Cableteq USA, Inc.
M13486/1-7	138704	4961, MIL-C-13486/182	Prestolite Wire LLC
M13486/1-9	138706	4961, MIL-C-13486/182	Prestolite Wire LLC
M13486/1-10	138707	4961, MIL-C-13486/182	Prestolite Wire LLC
OPTIONAL CONSTRUCTION			
M13486/1-7	7056678	9ND-NADC dtd 19 Dec 80	General Cable Corp.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
TYPE I (UNSHIELDED)			
CLASS A (SINGLE CONDUCTOR)			
GROUP 2			
FIGURE 1			
OPTIONAL CONSTRUCTION			
M13486/1-9	7056677	9ND-NADC dtd 19 Dec 80	General Cable Corp.
M13486/1-10	7056676	9ND-NADC dtd 19 Dec 80	General Cable Corp.
FIGURE 2			
SINGLE EXTRUSION CHLORINATED POLYETHYLENE (CPE)			
M13486/1-7	143976	USATAAC Ltr, dtd 23 Dec 94	Prestolite Wire LLC
M13486/1-9	143978	USATAAC Ltr, dtd 23 Dec 94	Prestolite Wire LLC
M13486/1-10	143979	USATAAC Ltr, dtd 23 Dec 94	Prestolite Wire LLC
SINGLE EXTRUSION HYPALON			
M13486/1-7	129436	MIL-C-13486-1171, DA-11472	Prestolite Wire LLC
M13486/1-9	130762	MIL-C-13486-1171, DA-11472	Prestolite Wire LLC
M13486/1-10	130763	MIL-C-13486-1171, DA-11472	Prestolite Wire LLC
M13486/1-7	171219-1-7-12	13486-958-04	Therm-O-Link, Inc.
M13486/1-9	171219-1-9-8	13486-958-04	Therm-O-Link, Inc.
M13486/1-10	171219-1-10-6	13486-958-04	Therm-O-Link, Inc.
GROUP 3			
FIGURE 1			
M13486/1-11		9ND-NADC	General Cable Corp. General Cable Corp.
M13486/1-11		4065, 8585	General Cable Corp.
M13486/1-12		4065, 8585	General Cable Corp.
M13486/1-15		4065, 8585	General Cable Corp.
BUNA/NEOPRENE			
M13486/1-11	LSS-2142	781018	Draka Cableteq USA, Inc.
M13486/1-12	LSS-2142	781018	Draka Cableteq USA, Inc.
M13486/1-14	LSS-2142	781018	Draka Cableteq USA, Inc.
M13486/1-15	LSS-2142	781018	Draka Cableteq USA, Inc.
M13486/1-17	LSS-2142	781018	Draka Cableteq USA, Inc.
M13486/1-12	77092	9ND-NADC	General Cable Corp.
M13486/1-11	107792	MIL-C-13486/182, 4961	Prestolite Wire LLC
M13486/1-12	105017	MIL-C-13486/182, 4961	Prestolite Wire LLC
M13486/1-14	105018	MIL-C-13486/182, 4961	Prestolite Wire LLC
M13486/1-15	124846	MIL-C-13486/182, 4961	Prestolite Wire LLC
M13486/1-17	13260	MIL-C-13486/182, 4961	Prestolite Wire LLC
EPDM/NEOPRENE			
M13486/1-11	138708	MIL-C-13486/182, 4961	Prestolite Wire LLC
M13486/1-12	138709	MIL-C-13486/182, 4961	Prestolite Wire LLC
M13486/1-14	138710	MIL-C-13486/182, 4961	Prestolite Wire LLC
M13486/1-15	138711	MIL-C-13486/182, 4961	Prestolite Wire LLC
M13486/1-17	138712	MIL-C-13486/182, 4961	Prestolite Wire LLC
OPTIONAL CONSTRUCTION			
M13486/1-14		4065, 8802	General Cable Corp.
M13486/1-14		9ND-NADC	General Cable Corp. General Cable Corp.
M13486/1-17		4065, 8802	General Cable Corp.
OPTIONAL CONSTRUCTION, BUNA/NEOPRENE			
M13486/1-17	77161	9ND-NADC	General Cable Corp. General Cable Corp.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
TYPE I (UNSHIELDED)			
CLASS A (SINGLE CONDUCTOR)			
GROUP 3			
FIGURE 1			
SINGLE EXTRUSION HYPALON			
M13486/1-11	181225-1-11-4	13486-2167-08	Therm-O-Link/Vulkor Wire and Cable
M13486/1-12	181225-1-12-2	13486-2167-08	Therm-O-Link/Vulkor Wire and Cable
M13486/1-14	181225-1-14-1/0	13486-2167-08	Therm-O-Link/Vulkor Wire and Cable
M13486/1-15	181225-1-15-2/0	13486-2167-08	Therm-O-Link/Vulkor Wire and Cable
M13486/1-17	181225-1-17-4/0	13486-2167-08	Therm-O-Link/Vulkor Wire and Cable
GROUP 8			
FIGURE 2			
SINGLE EXTRUSION CHLORINATED POLYETHYLENE (CPE)			
M13486/1-1	143972	USATAAC Ltr. Dtd 23 Dec 94	Prestolite Wire LLC
SINGLE EXTRUSION HYPALON			
M13486/1-1	129430	MIL-C-13486-1171, DA-11472	Prestolite Wire LLC
M13486/1-1	171219-1-1-20	13486-958-04	Therm-O-Link, Inc.
GROUP 9			
FIGURE 2			
SINGLE EXTRUSION CHLORINATED POLYETHYLENE (CPE)			
M13486/1-2	143973	USATAAC Ltr, dtd 23 Dec 94	Prestolite Wire LLC
SINGLE EXTRUSION HYPALON			
M13486/1-2	129431	MIL-C-13486-1171	Prestolite Wire LLC
M13486/1-2	090149-R-G18	851015	Prestolite Wire LLC
M13486/1-2	171219-1-2-18	13486-958-04	Therm-O-Link, Inc.
GROUP 10			
FIGURE 2			
SINGLE EXTRUSION CHLORINATED POLYETHYLENE (CPE)			
M13486/1-8	143977	USATAAC dtd 23 Dec 94	Prestolite Wire LLC
SINGLE EXTRUSION HYPALON			
M13486/1-8	090150-R-G10	851017	Draka Cableteq USA, Inc.
M13486/1-8		9ND-NADC dtd 15 Feb 84	General Cable Corp.
M13486/1-8	129437	MIL-C-13486-1171, DA-11472	Prestolite Wire LLC
M13486/1-8	171219-1-8-10	13486-958-04	Therm-O-Link, Inc.
CLASS B (MULTI CONDUCTOR)			
GROUP 4			
FIGURE 2			
M13486/5-1		8039	Draka Cableteq USA, Inc.
M13486/5-1		4065	General Cable Corp.
M13486/9-1		8039	Draka Cableteq USA, Inc.
M13486/9-1		4065	General Cable Corp.
M13486/10-1		8039	Draka Cableteq USA, Inc.
M13486/10-1		4065	General Cable Corp.
GROUP 5			
FIGURE 2			
M13486/12-1		781018	Draka Cableteq USA, Inc.
M13486/12-1		4065	General Cable Corp.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
TYPE II (SHIELDED)			
CLASS B (MULTI CONDUCTOR)			
GROUP 6			
FIGURE 2			
M13486/13-1	77FF002	77FF002	Draka Cableteq USA, Inc.

Manufacturer and Supplier Location Information

Manufacturer: Draka Cableteq USA, Inc. (CAGE Code: 71102)
Location: 22 Joseph E. Warner Boulevard, North Dighton, MA 02764, US

Plant Location: Same Address as Manufacturer

Manufacturer: General Cable Corp. (CAGE Code: 81774)
Location: 4 Tesseneer Drive, Newport
Newport, KY 41076, US

Plant Location: General Cable Corp (RI), 3 Carol Drive, Linclon, RI 02865, US

Manufacturer: Prestolite Wire LLC (CAGE Code: 88945)
Location: #1 Prestolite Drive, Paragould, AR 72450, US

Plant Location: Same Address as Manufacturer

Manufacturer: Therm-O-Link, Inc. (CAGE Code: 5T147)
Location: 10513 Freedom Street, Garrettsville, OH 44231-9244, US

Plant Locations:
1. Same Address as Manufacturer
2. Therm-O-Link/Vulkor Wire and Cable, CAGE Code: 5T147, 621 Dana Street, Warren, OH 44231, US