

THREE CONDUCTORS, EXTRUDED (TEFLON) POLYTETRAFLUOROETHYLENE INSULATED, TWISTED, SHIELDED AND JACKETED. UNLESS OTHERWISE SPECIFIED ALL THE REQUIREMENTS OF MIL-W-16878, TYPE (SEE TABLE I) APPLY. IN THE EVENT OF CONFLICT BETWEEN THIS SPECIFICATION AND MIL-W-16878, THIS SPECIFICATION SHALL GOVERN.

SYM		ZONE		REVISIONS			DATE	APPROVED
A	D-12	ADDED LMED NOTE.			GU 8243			

RATED WORKING VOLTAGE: SEE TABLE I.
 OPERATING TEMPERATURE: -65°C TO +200°C.
 CONDUCTION MATERIAL: STRANDED COPPER WIRE.
 FINISH: SILVER COATED.

PRIMARY INSULATION MATERIAL: POLYTETRAFLUOROETHYLENE (TEFLON).
 MATERIAL COLOR: SEE TABLE I.

TWISTING: THREE CONDUCTORS TWISTED TOGETHER WITH A LAY AS NOTED IN TABLE I.
 SHIELD MATERIAL AND FINISH: NO.36 AWG BRAIDED COPPER WIRE SILVER COATED TO PROVIDE A MINIMUM COVERAGE OF 90%.

OUTER JACKET: WRAPPED AND FUSED OR EXTRUDED POLYTETRAFLUOROETHYLENE (TEFLON).
 JACKET COLOR: WHITE.

NOTE TO LMED:
 USE ONLY WIRE SIZES & COLORS IN ACCORDANCE WITH DEPT STANDARD 408-2.

TABLE I

PART NO.	CONDUCTOR							LENGTH OF LAY (NOM)	JACKET		RATED WORKING VOLTAGE (RMS)	MIL-W-16878 TYPE	WEIGHT POUNDS PER 1000 FT (NOM)
	AWG SIZE	STRANDING	CONDUCTOR OD (NOM)	MAX DIA OVER INSULATION	CONDUCTOR 1	CONDUCTOR 2	CONDUCTOR 3		WALL THICKNESS	MAX OD			
1	26	19/.004	.019	.043	WHITE	BLACK	RED	1.250	.010 ± .002	.137	600	E	16.0
2	24	19/.005	.024	.048	↑	↑	↑	1.250	.010 ± .002	.148	600	E	19.0
3	22	19/.0063	.030	.054				1.500	.012 ± .002	.165	600	E	24.0
4	20	19/.008	.038	.062				1.500	.012 ± .002	.182	600	E	31.0
5	18	19/.010	.048	.074				1.750	.015 ± .002	.214	600	E	43.0
6	16	19/.0113	.057	.087				2.000	.015 ± .002	.242	600	E	55.0
7	14	19/.0142	.071	.113	↓	↓	↓	2.750	.015 ± .002	.297	1000	EE	75.0
8	12	19/.018	.090	.132	WHITE	BLACK	RED	3.000	.015 ± .002	.338	1000	EE	110.0

SUGGESTED SOURCE OF SUPPLY:

SURPRENANT MFG CO
 CLINTON, MASS.

AMERICAN SUPER TEMP WIRES INC
 WINOOSKI, VT.

TENSOLITE INSULATED WIRE CO INC, TARRYTOWN, NY

SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON: 2-PLACE DECIMALS ± 3-PLACE DECIMALS ± ANGLES ± ALL SURFACES ✓	SIGNATURES		DATE	GENERAL ELECTRIC LME DEPT LOC UTICA, N.Y.
	DRAWN: <i>R. Fralick</i>		Apr. 1, 1964	
MATERIAL— GOVT OR COML	CHECKED: <i>W. Jones</i>		Apr. 1, 1964	TITLE CABLE, SPECIAL PURPOSE, ELECTRICAL
	ISSUED: <i>W. Jones</i>		Apr. 1, 1964	
GE	ENGR: <i>W. Jones</i>		Apr. 1, 1964	CONTRACT NO.
	MATS: <i>W. Jones</i>		Apr. 1, 1964	CODE IDENT NO. SIZE DWG NO.
				99971 C 7736947
				SCALE NONE WT CALD ACTUAL SHEET OF

FSC/6E 614541
 REV C
 N 1412 W 1429M
 SIZE C