

TMC NO.	(NOM) BARE WIRE DIA.	MIN. INSULATION THICKNESS	Ω/FOOT NOM.
WI-148-20	.0320	.0005	.0101
WI-148-21	.0285	.0005	.0128
WI-148-22	.0253	.0005	.0162
WI-148-23	.0226	.00045	.0203
WI-148-24	.0201	.00045	.0257
WI-148-25	.0179	.00045	.0324
WI-148-26	.0159	.0004	.0410
WI-148-27	.0142	.0004	.0514
WI-148-28	.0126	.00035	.0653
WI-148-29	.0113	.00035	.0812
WI-148-30	.0100	.0003	.104
WI-148-31	.0089	.0003	.131
WI-148-32	.0080	.0003	.162
WI-148-33	.0071	.00025	.206
WI-148-34	.0063	.00025	.261
WI-148-35	.0056	.0002	.331
WI-148-36	.0050	.0002	.415
WI-148-37	.0045	.00015	.512
WI-148-38	.0040	.00015	.648
WI-148-39	.0035	.0001	.847
WI-148-40	.0031	.0001	1.080
WI-148-41	.0028	.0001	1.320
WI-148-42	.0025	.0001	1.660
WI-148-43	.0022	.0001	2.140
WI-148-44	.0020	.00005	2.590
WI-148-45	.0018	.00005	3.348
WI-148-46	.0016	.00005	4.207
WI-148-47	.0014	.00005	5.291
WI-148-48	.0012	.00005	6.745
WI-148-49	.0011	.00005	8.417
WI-148-50	.0010	.00005	10.58

COLORS AVAILABLE	COLOR CODE
RED	2
GREEN	5
NATURAL	9

WI-148 B

REVISIONS					
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD APPD
O	ORIGINAL RELEASE FOR PRODUCTION	6-1-64	0	A.M.	@ WJ
A	TITLE WAS "WIRE, ELECTRICAL, MAGNET DUAL". ON COLOR, "NOTE" ADDED.	9-24-64	12454	9.L.	@ JZ
B	CLERICAL CHANGE	2-15-65	-	8.L.	@ JWS

-CHARACTERISTICS-

- SIZES AVAILABLE: #20-#56 AWG
- INSULATION: BAKED SYNTHETIC RESIN VARNISH (POLYURETHANE)
- DIELECTRIC STRENGTH: 1500V/MIL
- APPLICABLE SPECS: MIL-W-503B TYPES "T" AND "T2"
- THERMOPLASTIC FLOW: 170°C
- SOLDERABILITY: 8 SECONDS AT 800°F, MAXIMUM

TYPE DESIGNATION TO BE IN THE FOLLOWING FORM

WI-148 - 44 - 59
 BASIC NO. SIZE (AWG) COLOR
 (SEE CHART) (SEE CHART)

NOTE: ALWAYS EXPRESS IN 2 DIGITS.
 99= TWO WHITE WIRES
 59= ONE GREEN, ONE WHITE
 EXPRESS WITH LOWEST NUMBER FIRST.

STANDARD DRAWING

	LFS-1	
	VLR-1	
Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
SCALE	CODE	S401-233

NOTES

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
M. GELLMAN LIST OF MATERIAL				
MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
FINISH		TITLE CABLE, SPECIAL PURPOSE, MAGNET, 2 COND.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN J. LESHINSKI	DATE 9/10/63	FINAL APPROVAL
		CHECKED	DATE 5-7-64	
		ELECT. DES.	DATE 6-1-64	WI-148
		MECH. DES.	DATE 6-1-64	B
		DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	FRACTIONS ± 1/64 ANGLES ± 0° 30'	SHEET
		TOLERANCES		REV. LTR.