

CHART NO. 1 - SIZES AVAILABLE

AWG SIZE	BARE WIRE NOMINAL OD	SINGLE COATING INSULATION (NO CODE)		DOUBLE COATING INSULATION (T2)	
		MIN. INCR. IN DIA.	OVERALL MAX. DIA.	MAX. INCR. IN DIA.	MAX. OA DIAMETER
20	.0320	.0010	.0341	.0022	.0353
21	.0285	.0010	.0306	.0021	.0317
22	.0253	.0010	.0273	.0020	.0284
23	.0226	.0009	.0244	.0019	.0255
24	.0201	.0009	.0218	.0019	.0229
25	.0179	.0009	.0195	.0018	.0206
26	.0159	.0008	.0174	.0017	.0185
27	.0142	.0008	.0156	.0016	.0165
28	.0126	.0007	.0139	.0015	.0148
29	.0113	.0007	.0126	.0014	.0134
30	.0100	.0006	.0112	.0013	.0120
31	.0089	.0006	.0100	.0013	.0108
32	.0080	.0006	.0091	.0012	.0098
33	.0071	.0005	.0081	.0011	.0088
34	.0063	.0005	.0072	.0010	.0078
35	.0056	.0004	.0064	.0009	.0070
36	.0050	.0004	.0058	.0008	.0063
37	.0045	.0003	.0052	.0008	.0057
38	.0040	.0003	.0047	.0007	.0051
39	.0035	.0002	.0041	.0006	.0045
40	.0031	.0002	.0037	.0006	.0040
41	.0028	.0002	.0033	.0005	.0036
42	.0025	.0002	.0030	.0004	.0032
43	.0022	.0002	.0026	.0004	.0029
44	.0020	.0001	.0024	.0004	.0027

WI-141

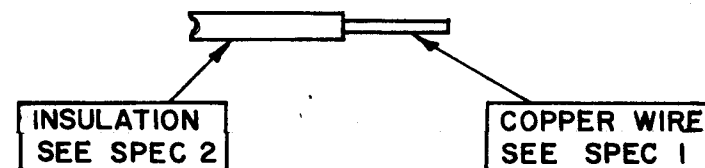
REVISIONS

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APRD
A	REVISED & REDRAWN	12-10-63	10521			
B	DOUBLE COAT. COLUMN ADD, T2 ADD TO P/N EXAMPLE	10-15-64	12554			

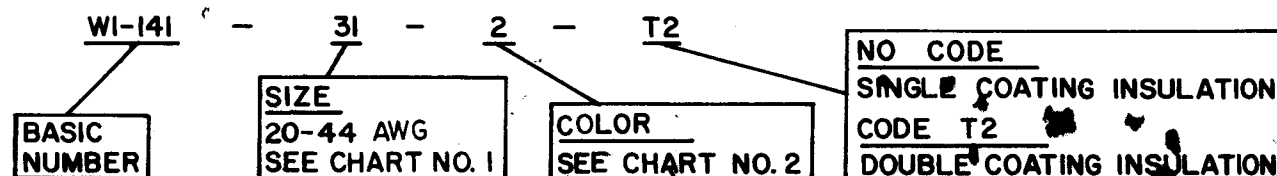
SPECIFICATIONS

- CONDUCTOR DATA:
  - A. TYPE: SOLID
  - B. SHAPE: ROUND
  - C. SIZE: SEE CHART NO. 1
  - D. MATERIAL: COPPER
- INSULATION: POLYURETHANE
- DIELECTRIC STRENGTH: 1500 VOLTS/MIL, MINIMUM
- INSULATION COLOR: SEE CHART NO. 2
- TEMPERATURE RATING: 105°C
- WIRE SHALL MEET OR EXCEED REQUIREMENT OF MIL-W-583B, TYPE T

CHART NO. 2	
COLORS AVAILABLE	
CODE	COLOR
2	RED
5	GREEN
9	NATURAL (REDDISH BROWN)



TMC PART NUMBER SHALL BE IN THE FOLLOWING FORM:



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
LIST OF MATERIAL				
MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
FINISH		TITLE WIRE, ELECTRICAL, MAGNET, INSULATED		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN <i>Awais</i> CHECKED <i>Jia</i> ELECT. DES. MECH. DES.	DATE 12-9-63 DATE 12/14/63 DATE	FINAL APPROVAL <i>BP</i> DATE SHEET WI-141 REV. LTR. B

NOTES

TR-147	
Q'TY./UNIT	MODEL USED ON
SCALE	ASS'Y. NO.
	S-401-233
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