

C  
LW, MW, HW,  
FX, HF

I. TYPE OF WIRE

TYPE OF WIRE	CONDUCTOR SIZE, RANGE INCLUSIVE	APPLICATION	MAXIMUM VOLTAGE RATING
LW	30 - 20	General Purpose	300
MW	24 - 12	" "	1,000
HW	22 - 16	" "	2,500
	14 - 6	" "	600
FX	30 - 00	Special Purpose	500
HF	24 - 16	Radio Frequency	1,000

II. CONDUCTOR MATERIAL

SYMBOL	MATERIAL
C	Copper
S	Copper Clad Steel

NOTE:  
A. Copper conductors available in all AWG sizes.  
B. Copper clad steel conductors available "only" in AWG size 16 and smaller.

III. STRANDED CONDUCTOR

CONDUCTOR AWG SIZE	NO STRANDS MIN.
30	3
28	7
26	7
24	7
22	7
20	7
18	16
16	19
14	19
12	19
10	37
8	127
7	127
6	127
4	127
2	161
1	259
0	259
00	259

IV. CONSTRUCTION

SYMBOL	COVERING OVER INSULATED WIRE
U	None
J	Jacket (wall of clear transparent nylon extruded over insulation.)
B	Braid (Synthetic yarn or continuous filament glass.)
S	Shield (Close woven copper strand)
JS	Jacket & Shield
BS	Braid & Shield
SJ	Shield & Outer Jacket
JSJ	Jacket, Shield & Outer Jacket
BSJ	Braid, Shield, Outer Jacket

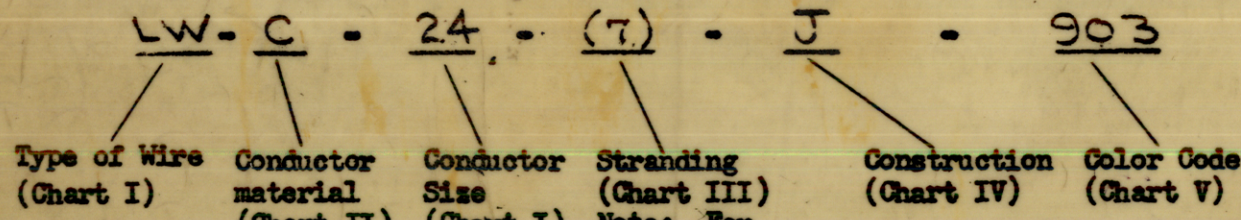
\*  
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\* specify type  
# see sketch below

V. COLOR CODE

NUMBER	COLOR
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet (Purple)
8	Grey
9	White

NOMENCLATURE SHALL BE IN THE FOLLOWING FORM:



Type of Wire  
(Chart I)

Conductor material  
(Chart II)

Conductor Size  
(Chart I)

Stranding  
(Chart III)

Construction  
(Chart IV)

Color Code  
(Chart V)

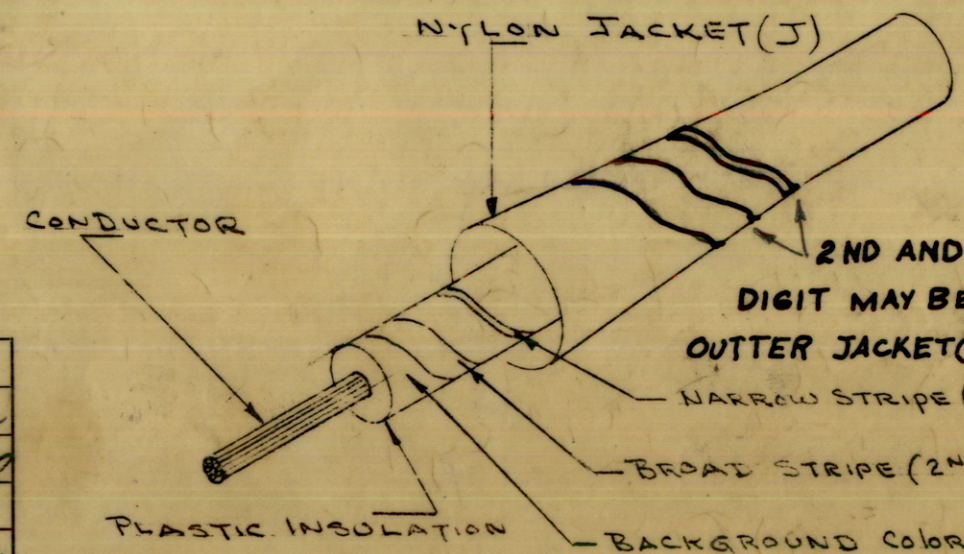
Note: For solid conductors the number shall be (1)

Note: First digit indicates background color. The succeeding digits indicates the colors of the stripes.

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MAMARONECK, NEW YORK



NOTE:

WIRE UNSHIELDED: WIRE, ELECTRICAL  
WIRE SHIELDED: CABLE, SPECIAL PURPOSE, ELECTRICAL

Ref: In accordance w/MIL-W-76(\*)

ISSUE ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
C	2ND & 3RD, NOTE ADDED 76* WAS 76A	6-22-65	12305	DWV	JCB	JCB
B	CLERICAL CHANGE	8-24-64		LB	JCB	JCB
A	Jacket, Braid & Shield notes add to construction chart.	11-25-59		DWV	JCB	JCB

TOLERANCES	SCALE:
DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ. PER UNIT	MODEL	PROJECT NO.	ASS'Y. NO.	DATE	USED ON

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		WIRE, ELECTRICAL & CABLE, SPEC. PURP., ELECTRICAL	
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED
FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.	FINAL APPROVAL

A. J. J.  
LW, MW, HW,  
FX, HF