



DATE 6-17-52  
 SH. 1 OF 3  
 COMPILED BY  
 L.N.H.

TMC SPECIFICATION NO. S - 100

TITLE: WIRING COLOR CODE

JOB -----

APPROVED *[Signature]*

*Retyped 1/3/55*  
 REF: MIL-STD-681

1. STANDARD COLORS: The standard colors to be used in chassis wiring for the purpose of circuit identification of the equipment shall be as follows:

CIRCUIT	COLOR	CODE #
Grounds, grounded elements, and returns-----	Black	0
Heaters or filaments off ground-----	Brown	1
Power supply positive-----	Red	2
Screen grids-----	Orange	3
Cathodes-----	Yellow	4
Control grids-----	Green	5
Plates-----	Blue	6
Power supply negative-----	Purple (violet)	7
AC power lines-----	Grey (slate)	8
Miscellaneous above or below ground-----		
returns, AVC, etc.-----	White	9
Transistor bases-----	Green	5
Transistor collectors-----	Blue	6
Transistor emitters-----	Yellow	4

2. Preferred color sequence for single conductors in cable harnesses.

BASE COLOR	1st STRIPE	2nd STRIPE	IDENTIFICATION NO.
Black			0
Brown			1
Red			2
Orange			3
Yellow			4
Green			5
Blue			6
Violet			7
Gray			8
White			9
White	Black		90
White	Brown		91
White	Red		92
White	Orange		93
White	Yellow		94

DATE 2/4/64  
 SHEET 2 OF 3

**TMC SPECIFICATION NO. S -100**



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2.	BASE COLOR	1st STRIPE	2nd STRIPE	IDENTIFICATION NO.
	White	Green		95
	White	Blue		96
	White	Violet		97
	White	Gray		98
	White	Black	Brown	901
	White	Black	Red	902
	White	Black	Orange	903
	White	Black	Yellow	904
	White	Black	Green	905
	White	Black	Blue	906
	White	Black	Violet	907
	White	Black	Gray	908
	White	Brown	Red	912
	White	Brown	Orange	913
	White	Brown	Yellow	914
	White	Brown	Green	915
	White	Brown	Blue	916
	White	Brown	Violet	917
	White	Brown	Gray	918
	White	Red	Orange	923
	White	Red	Yellow	924
	White	Red	Green	925
	White	Red	Blue	926
	White	Red	Violet	927
	White	Red	Gray	928
	White	Orange	Yellow	934
	White	Orange	Green	935
	White	Orange	Blue	936
	White	Orange	Violet	937
	White	Orange	Gray	938
	White	Yellow	Green	945
	White	Yellow	Blue	946
	White	Yellow	Violet	947
	White	Yellow	Gray	948
	White	Green	Blue	956
	White	Green	Violet	957
	White	Green	Gray	958
	White	Blue	Violet	967
	White	Blue	Gray	968
	White	Violet	Gray	978

DATE 2/4/64  
SHEET 3 OF 3

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- 2.1. **HARNESS WIRING:** Unless the wiring is routed to the same terminal, two or more wires which break out of the same cable opening shall not be identically color coded. Solid and tracer wires of the same color are, however, acceptable.
  
- 3. **Terminal Wiring:** All leads connected to a terminal shall have the same color code (including sleeving) and/or same tracer color.