

EMP Measurement Notes

Note IV

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Color Coding Data Cables

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In the past few years a system of color coding certain types of data cables has become accepted practice. This system was initiated by personnel of the Lawrence Radiation Laboratory to provide instant identification of three of the cable types used at the Nevada Test Site. It is proposed that the color coding of data cables be extended to cover all major types of cable.

Proposed Color Code System

<u>Nominal Impedance</u>		<u>Cable Type</u>	<u>Color</u>
25 OHM		Coaxial	Purple
50 OHM*		Coaxial	Green
75 OHM		Coaxial	Yellow
100 OHM*		Coaxial	Brown
100 OHM	Differential Mode	Twinaxial	Blue
50 OHM	Common Mode		
125 OHM*		Coaxial	Red
200 OHM		Coaxial	Orange
200 OHM	Differential Mode	Twinaxial	Gray
100 OHM	Common Mode		

The shades of the above colors should be specified according to MIL-STD 174 "Colors for Coding Electronic Parts". In cases where the cables will be exposed to sunlight the jacket compound should be impregnated with carbon to protect the cable from ultra violet degradation. The carbon will preclude any color for the jacket other than black. Therefore black will remain a neutral color applicable to all cables.

* Present color code