

M27500 Cable (NEMA WC27500) Identification Method for Wire and Shield Coverage

Table A: Color Identification Method for Wire and Shield Coverage

Shield Coverage		MIL-DTL-27500 Terminology	Color Identification Method
85%	90%		
-	C	Preferred method Table A-1	Colored Stripes on White Wire-Stripe Color per Table A-1
A	D	Optional Method A Table A-1	Solid Color Wires-Colors per Table A-1
B	E	Optional Method B Table A-3	Band Marking (wire number) per table A-4 on Solid Colors (by AWG) per Table A-3
F	H	Preferred Method Table A-2	Colored Stripes on White Wire-Stripe Color per Table A-2
G	J	Optional Method A Table A-2	Solid Color Wires per Table A-2
K	M	Optional Method C Table A-3	Number Marking on Solid Color Wires (by AWG) per Table A-3
L	N	Optional Method D	Number Marking on White Wires
P	R	Optional Method B Table A-4	Band Marks per Table A-4 on Colored Stripes (by AWG) per Table A-3
S	T	Optional Method B Table A-4	Band Marks per Table A-4 on White Wires
U	V	--	For Color Codes Specified by the Procuring Activity

Table A-1: Color Coding

Preferred Method- Colors are stripes on white insulation (wire #1 has no stripe).

Optional Method A- Colors are solid insulation color. Wires 11-15 have a lighter base color stripe.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
White	Blue	Orange	Green	Red	Black	Yellow	Violet	Gray	Brown	Blue/Blue	Orange/Orange	Green/Green	Red/Red	Black/Black

Table A-2: Color Coding

Preferred Method- Colors are stripes on white insulation (wire #5 has no stripe), for wires 1-10. Wires 11-15 color pairs-first color indicates insulation, with a stripe of the second color.

Optional Method A- Colors are solid insulation color. Wires 11-15 color pairs-first color indicates insulation, with a stripe of the second color.

Either Method A- Color of the wire in a one-conductor cable is white.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Red	Blue	Yellow	Green	White	Black	Brown	Orange	Violet	Gray	Red/White	Blue/White	Yellow/White	Green/White	Black/White

Table A-3: Color Coding

Optional Method B-wire insulation color is based on AWG, with color bands per Table D for wire number

Optional Method C-wire insulation color is based on AWG with printed numbers designating wire number.

AWG	Color	AWG	Color	AWG	Color	AWG	Color
26	Black	18	White	10	Brown	2	Red
24	Blue	16	Blue	8	Red	1	White
22	Green	14	Green	6	Blue	1/0	Blue
20	Red	12	Yellow	4	Yellow	2/0	Green

Table A-4: Band Configuration

Optional Method B-band groups as shown below are printed on wire to indicate wire number.

Wire Number	Band Configuration	Wire Number	Band Configuration
1	None	8	1 wide, 1 narrow
2	2 narrow	9	1 wide, 2 narrow
3	3 narrow	10	1 wide, 3 narrow
4	4 narrow	11	1 wide, 4 narrow
5	5 narrow	12	1 wide, 5 narrow
6	6 narrow	13	2 wide, 1 narrow
7	7 narrow	14	2 wide, 2 narrow
		15	2 wide, 3 narrow