

SWITCHBOARD CABLE AND WIRE TYPES
AND CODES OF CABLE

1. GENERAL INFORMATION

1.1 The purpose of this UIS is to provide information on new wire and cable codes.

2. DP-2 WIRE

2.1 DP-2 wire is replacing DP-1 and DM-1 type wire in present R-coded cables. DP-2 wire is an irradiated polyvinyl chloride insulated wire that has a nominal wall thickness one mill greater than DM-1 and a higher tin content on the conductor leads.

2.2 All cables that contain the DP-2 wire will be designated as R-2 cable. The color code of the leads will remain the same as those in the R-code cables.

2.3 The 500R2 to 506R2 cables will follow the same color code as before for quadded type cables.

3. AM-3 WIRE

3.1 Textile (AM-2) wire is being replaced by a plastic (AM-3) wire. AM-3 wire is a semi-rigid PVC insulated tinned annealed copper wire, furnished in 14, 16, 18, and 19 AWG sizes.

3.2 The 14, 18, and 19 AWG wire will be furnished only as loose wire. The 16 AWG size wire will be furnished in cable forms. Cable codes 454M, 456M to 459M will become 454B, 456B to 459B, respectively.

3.3 The 20 and 22 AWG AM-2 wires will not be furnished as AM-3 code. These wires will be replaced by DP-2 wire. The present 400M to 405M cables will become 400R2 to 405R2 utilizing 22 AWG DP-2 wire. The present 450M to 453M cables will now become 450R2 to 453R2, respectively, utilizing 20 AWG DP-2 wire.

NOTICE - NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL
SYSTEM EXCEPT UNDER WRITTEN AGREEMENT

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4. COLOR CODE

4.1 With the change from textile to plastic wire, the third color is not used on plastic wire. The following conversion color code charts are being provided for the textile to the plastic wire conversion.

4.2 CONVERSION COLOR CODE CHART

<u>TEXTILE WIRE</u>				<u>PLASTIC WIRE</u>			
(400M, 404M, and 405M Cables)				(400R2, 404R2, and 405R2 Cables)			
<u>Triple Comb. No.</u>				<u>Triple Comb. No.</u>			
1b	W,	BL	Basic	1	BL-BK,	W-BL,	Y-BL
2b	W,	O	Color	2	O-BK,	W-O,	Y-O
3b	W,	G	with	3	G-BK,	W-G,	Y-G
4b	W,	BR	Red	4	BR-BK,	W-BR,	Y-BR
5b	W,	S	Tracer	5	S-BK	W-S,	Y-S
6b	W,	BL-W		6	R-BK,	W-R,	Y-R
7b	W,	BL-O		7	W	BL	BL-W
8b	W,	BL-G		8	Y,	G,	G-Y
9b	W,	BL-BR		9	R,	BR,	BR-R
10b	W,	BL-S		10	S,	BK,	BK-S

Textile Wire (AM-2)
(454M, 456M to 459M Cables)

Plastic Wire (AM-3)
(454B, 456B to 459B Cables)

<u>Pair No.</u>	<u>Tip</u>	<u>Ring (Basic Color)</u>
1b	Basic	BL
2b	Color	O
3b	with	G
4b	Red	BR
5b	Tracer	S
6b		BL-W
7b		BL-O
8b		BL-G
9b		BL-BR
10b		BL-S
11b		O-W
12b		O-G
13b		O-BR
14b		O-S
15b		G-W
16b		G-BR
17b		G-S
18b		BR-W
19b		BR-S
20b		S-W

<u>Pair No.</u>	<u>Tip</u>	<u>Ring</u>
1	W-BL	BL-W
2	W-O	O-W
3	W-G	G-W
4	W-BR	BR-W
5	W-S	S-W
6	R-BL	BL-R
7	R-O	O-R
8	R-G	G-R
9	R-BR	BR-R
10	R-S	S-R
11	BK-BL	BL-BK
12	BK-O	O-BK
13	BK-G	G-BK
14	BK-BR	BR-BK
15	BK-S	S-BK
16	Y-BL	BL-Y
17	Y-O	O-Y
18	Y-G	G-Y
19	Y-BR	BR-Y
20	Y-S	S-Y

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