

MULTIPLE LINE WIRE DESCRIPTION

1. GENERAL

1.01 This section is revised to include information on E[†] Rural Wire and D Urban Wire. It describes the types of multiple line wires available and gives general information about their make-up, color codes, and characteristics.

1.02 Multiple line wire is the general family name given to B Rural Distribution Wire, B Rural Wire, D Rural[†] Wire, E Rural Wire, B Urban Wire, C Urban Wire, and D Urban Wire. In general, they consist of individually insulated conductors twisted into pairs which are then stranded about an insulated support wire.

2. MULTIPLE LINE WIRE TYPES

2.01 D Rural Wire supersedes B Rural Distribution Wire and B Rural Wire. It is the same as B Rural Wire except for conductor color coding.

2.02 C Urban Wire supersedes B Urban Wire. It is the same as B Urban Wire except for conductor color coding.

2.03 E Rural Wire is a new facility which supplements D[†] Rural Wire as it provides 12 pairs of 19-gauge copper wire. It can be used in locations where two or more D Rural Wires would be placed.

2.04 D Urban Wire is a new facility which contains 16 pairs of 22-gauge copper wire with a double insulation similar to that of D Rural Wire. It can be used in any location where these characteristics best meet the service needs.

2.05 Table 1 compares the conductors, make-up, color code and characteristics of all types of multiple line wires.

TABLE 1
CHARACTERISTICS OF MULTIPLE LINE WIRES

	G RURAL DISTRIBUTION WIRE	B RURAL WIRE	D RURAL WIRE	E RURAL WIRE	D URBAN WIRE	B URBAN WIRE	C URBAN WIRE
NUMBER OF PAIRS	6		12		16		16
CONDUCTOR:	COPPER						
MATERIAL USED GAUGE (AWG)	19		22		24		24
INSULATION-INNER LAYER	BLACK POLYETHYLENE		COLORED PVC		COLORED PVC		COLORED PVC
INSULATION-OUTER LAYER	BLACK PVC		COLORED PVC		COLORED PVC		COLORED PVC
SUPPORT WIRE:	GALVANIZED STEEL						
MATERIAL USED SIZE	109E		120E		109E		109E
INSULATION	BLACK POLYETHYLENE		BLACK POLYETHYLENE		BLACK POLYETHYLENE		BLACK POLYETHYLENE
CONSTRUCTION:	LAYER		TWISTED		FOUR GROUPS		FOUR GROUPS
PAIR CONSTRUCTION	LAYER		TWISTED		FOUR GROUPS		FOUR GROUPS
WIRE CONSTRUCTION	LAYER		TWISTED		FOUR GROUPS		FOUR GROUPS
NO OF PAIRS IN GROUP	1		3		4		4
CHARACTERISTICS: WEIGHT PER 1000 FT. (LBS.)	120		400		210		190
REEL LENGTH-MAXIMUM FT.	1000		1000		1000		1000
REEL LENGTH-MINIMUM FT.	1000		1000		1000		1000
COLOR CODE FOR CONDUCTORS:	TIP RING	TIP RING	TIP RING	TIP RING	TIP RING	TIP RING	TIP RING
PAIR NO. 1	BLACK - BLACK	BLACK - BLUE	WHITE - BLUE	WHITE - BLUE	WHITE - BLUE	WHITE - BLUE	WHITE - BLUE
2	" - "	" - RED	" - ORANGE	" - ORANGE	" - ORANGE	" - GREEN	" - ORANGE
3	" - "	" - GREEN	" - GREEN	" - GREEN	" - GREEN	" - BROWN	" - GREEN
4	" - "	" - BROWN	" - BROWN	" - BROWN	" - BROWN	" - SLATE	" - BROWN
5	" - "	" - SLATE	" - SLATE	" - SLATE	" - SLATE	RED - BLUE	" - SLATE
6	" - "	" - YELLOW	RED - BLUE	RED - BLUE	RED - BLUE	" - GREEN	RED - BLUE
7	" - "	" - "	" - "	" - ORANGE	" - ORANGE	" - BROWN	" - ORANGE
8	" - "	" - "	" - "	" - GREEN	" - GREEN	" - SLATE	" - GREEN
9	" - "	" - "	" - "	" - BROWN	" - BROWN	BLACK - BLUE	" - BROWN
10	" - "	" - "	" - "	" - SLATE	" - SLATE	" - GREEN	" - SLATE
11	" - "	" - "	" - "	BLK - BLUE	BLK - BLUE	" - BROWN	BLACK - BLUE
12	" - "	" - "	" - "	" - ORANGE	" - ORANGE	" - SLATE	" - ORANGE
13	" - "	" - "	" - "	" - GREEN	" - GREEN	YELLOW - BLUE	" - GREEN
14	" - "	" - "	" - "	" - BROWN	" - BROWN	" - GREEN	" - BROWN
15	" - "	" - "	" - "	" - SLATE	" - SLATE	" - BROWN	" - SLATE
16	" - "	" - "	" - "	YELLOW - BLUE	YELLOW - BLUE	" - SLATE	YELLOW - BLUE

* ONE CONDUCTOR OF P. HAS A RAISED RIDGE FOR TRACER