

## PIC CABLE OF OUTSIDE MANUFACTURE

### 1. GENERAL

**1.01** This section contains general information on PIC cable of outside manufacture.

**1.02** Because of the heavy demand for PIC cable during 1964 and 1965, the Western Electric Company will supply from distributing house stocks a considerable quantity of cable of outside manufacture.

**1.03** This section is issued to indicate the major manufacturing deviations in cable of outside manufacture from cable of Western manufacture.

### 2. DESCRIPTION

**2.01** The 19-, 22-, 24-, and 26-gauge PIC cables of outside manufacture have alpth sheath only. Aside from this and a few differences in core make-up, these PIC cables have the same color code and general characteristics as those of Western manufacture described in Section 632-033-102.

**2.02** Each length of cable contains a *distinctive company identification marker* under the sheath to permit determining the source of the material.

### 3. MAJOR DEVIATIONS FROM WESTERN CABLE

**3.01** The PIC cables of outside manufacture have the following noticeable differences in core make-up from those of Western manufacture. These differences require no particular change in the method of splicing.

#### 3.02 NORTHERN ELECTRIC COMPANY

(a) Length Marker                      Some of the cable is furnished with length markers on the outside of the sheath. The marking appears at 2-foot intervals and is normally white in color. However, if for some reason the white marking is in error, there will be an additional yellow marking. The yellow marking always takes precedence.

(b) 300 Pair 24- and                      Consists of six 50-pair multiunits.  
26-Gauge

(c) Company Identification              Orange-Violet.

#### 3.03 GENERAL CABLE COMPANY

(a) Cable Lay-Up                          Minor difference in unit lay-ups, but even count color code is provided.

(b) Cabling                                  Some cables are made with a right-hand lay (Western cables have left-hand lay).

- (c) Shield All sizes corrugated.
- (d) End Seals Black painted cans.
- (e) Company Identification Red-Black.

**3.04 CANADA WIRE AND CABLE COMPANY**

- (a) Shield All sizes corrugated.
- (b) Company Identification Red-Yellow.

**3.05 ANACONDA WIRE AND CABLE COMPANY**

- (a) Cable Lay-Up Minor difference in unit lay-up, but even count color code is provided.
- (b) Unit Binders Nylon yarn.
- (c) Core Wrap 16-mil rubber-Mylar.
- (d) Shield All sizes corrugated.
- (e) Company Identification Blue-Green.

**3.06 PHELPS-DODGE**

- (a) Cable Lay-Up Minor difference in unit lay-up, but even count color code is provided. 100 pair made with four 25-pair units.
- (b) Core Wrap Three separate spiral wrappings of 2-1/2 mil polypropylene-Mylar.
- (c) Unit Binders Nylon yarn.
- (d) Shield All sizes corrugated.
- (e) Company Identification Blue.

**3.07 ANSONIA WIRE AND CABLE COMPANY**

- (a) Core Wrap Two spiral wrappings 5-mil Mylar.
- (b) Shield All sizes corrugated.
- (c) End Seals Neoprene caps.
- (d) Company Identification Red-Violet.

**3.08 WHITNEY BLAKE COMPANY**

- (a) Cable Lay-Up                    100 pair consists of four 25-pair units; 200 pair consists of eight 25-pair units (7 over 1).
- (b) Unit Binders                    Nylon yarn.
- (c) Core Wrap                        One and one-half to two thicknesses of 3-mil Mylar applied helically (left) on 50-pair, 22- and 24-gauge, 100-pair 22-gauge and 200-pair 24-gauge; rubber-Mylar applied helically with 1/2-inch minimum overlap on 200-pair 22-gauge and 300-pair 24-gauge.
- (d) Shield                            All sizes corrugated.
- (e) Company Identification        White-Violet.

**3.09 BRAND REX COMPANY**

- (a) Binders                          Nylon yarn.
- (b) Cable Lay-Up                    100-pair four 25-pair units, 200-pair eight 25-pair units (7 over 1).
- (c) Core Wrap                        One 5-mil Mylar applied helically with 3/8-inch minimum overlap.
- (d) Shield                            All sizes corrugated.
- (e) End Seals                        Black polyethylene caps — heat sealed.
- (f) Company Identification        Red-White.

**3.10 PLASTIC WIRE AND CABLE COMPANY**

- (a) Binders                          Nylon yarn.
- (b) Cable Lay-Up                    100 pair consists of four 25-pair units; 200 pair consists of two 12-pair, two 13-pair, and six 25-pair units.
- (c) Core Wrap                        10-1/2 mil polypropylene-Mylar or 16-mil rubber-Mylar applied helically with 3/8-inch minimum overlap.
- (d) Shield                            All sizes corrugated.

- (e) End Seals                      Black polyethylene caps glued on ends of cable.
- (f) Company Identification      Black-Violet.

**3.11 SUPERIOR CABLE CORPORATION**

- (a) Cabling                        100-pair cable — four 25-pair units.
- (b) Core Wrap                    3-mil Mylar applied helically with 50 percent overlap. First run of approximately 60,000 feet of 100-pair 26-gauge has 2-mil corrugated Mylar.
- (c) Shield                        All cables corrugated.
- (d) End Seals                    Neoprene Caps.
- (e) Company Identification      Yellow-Violet.

**4. CABLE SIZES**

**4.01** PIC cable of outside manufacture is supplied in stock plan sizes with alpeh sheath. The diameters and weights are comparable to those given in Section 626-200-112.

**4.02** These cables are supplied interchangeably with Western cables on orders filled from distributing house stocks.