

ORDERING INFORMATION

The standard elbow kit is packaged in a heavy duty polyethylene bag. Individual boxed kits are also available by special part number. To order a 15 kV Class Loadbreak Elbow Kit, for cable meeting AEIC CS5 and CS6, follow the easy steps below.

Each kit contains:

- Elbow Body
- Coppertop Compression Connector
- Loadbreak Probe
- Probe Installation Tool
- Silicone Lubricant
- Installation Instruction Sheet

STEP 1: Determine the cable's diameter over the electrical insulation as shown in Figure 4 (including tolerances). Then identify a cable range from Table 3 that brackets the minimum and maximum insulation diameters. Select the CABLE RANGE CODE from the far right column.

STEP 2: Identify the conductor size and type in Table 4 and select the CONDUCTOR CODE from the far right column.

STEP 3: For an elbow kit with a capacitive test point order:

LE215

CABLE RANGE CODE

CONDUCTOR CODE

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For an elbow kit without a capacitive test point order:

LE215

CABLE RANGE CODE

CONDUCTOR CODE

For an elbow kit without a compression connector, use "0" for the conductor code.

For an elbow kit without a hold down assembly included, insert a "B" after the test point option code.

For an elbow kit individually packaged in a corrugated cardboard box, insert an "X" as the last character in the part number.

EXAMPLE: Select an elbow kit with a capacitive test point for use on a #1 compact cable with a nominal insulation diameter of .800".

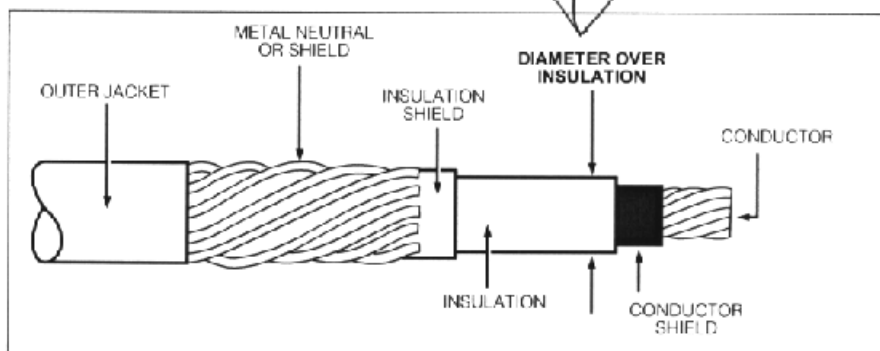


Figure 4.
Illustration showing typical construction of medium voltage underground cable.

TABLE 3
Cable Range

Cable Range		CABLE RANGE CODE
Inches	Millimeters	
.495-.585*	12.6-14.9	CA
.575-.685*	14.6-17.4	CB
.630-.820	16.0-20.8	A
.700-.910	17.8-23.1	B
.850-1.100	21.6-27.9	C
1.040-1.250	26.4-31.8	D

*Uses 5 kV cable adapter

TABLE 4
Conductor Size and Type

Concentric or Compressed		Compact or Solid		CONDUCTOR CODE
AWG	mm ²	AWG	mm ²	
No Connector				00
#6	16	#4	-	01
#4	-	#3	-	02
#3	-	#2	25	03
#2	25	#1	35	04
#1	35	1/0	50	05
1/0	50	2/0	70	06
2/0	70	3/0	-	07
3/0	-	4/0	95	08
4/0	95	250	120	09
250*	120	300	-	10

*Compressed stranding only.

STEP 1: Nominal diameter over the insulation is 0.800" ±.030".

Minimum Diameter
0.800" - .030" = 0.770"

Maximum Diameter
0.800" + .030" = 0.830"

From Table 3, identify the cable range 0.700"–0.910" and select the "B" CABLE RANGE CODE.

STEP 2: The conductor size is a #1 and the type is compact.

From Table 4, under the column "Compact or Solid" identify #1 and select the "04" conductor code

STEP 3: Order catalog number.

LE 215 B 04 T