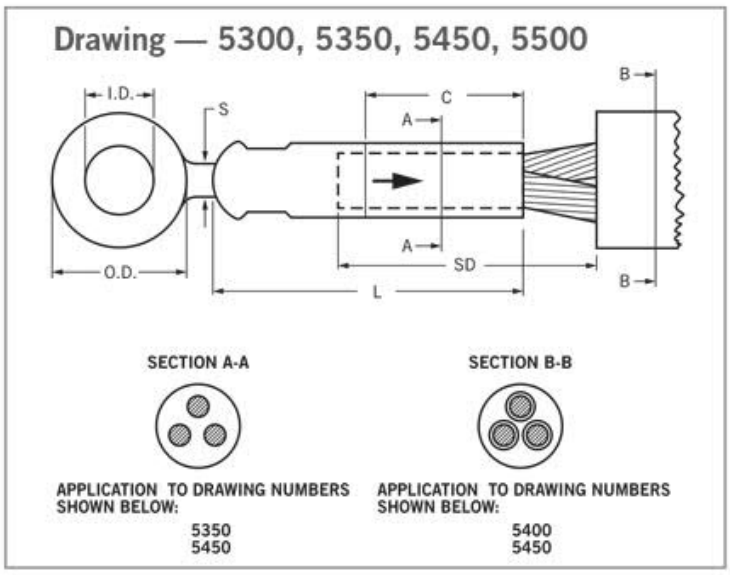

DRAWING 5450

Catalog Number Identification System

Catalog Number: MPE-3/C-500-50C-3
Eye-3 Cable size kcmil/10. Number of conductor holes in pulling device
Conductors C = compact strand

Pulling eye-3 conductors-500 kcml-C = compact strand

3 holes (one hole per each conductor)

NOTES:

1. **Catalog Number Identification System**

   Type of Pulling Device

   MPE = Pulling Eye MPB = Pulling Bolt

   Conductor Size

   Identified by dividing kcmil by 10. **Example:** #2 AWG Conductor contains 66,360 cm, hence kcmil/10 = **7**. Similarly 350 kcmil is identified by the number **35**.

   Conductor Type

   C = Compact Stranded

   Note: Concentric Round or Compressed Round are considered to be standard sizes and do not have special identification symbols.

2. "U.I.I. Catalog Number" identifies cable size and type as follows:

MPE	MPB	50 (500 kcmil)	C
PULLING EYE	PULLING BOLT	CONDUCTOR SIZE kcmil/10	COMPACT STRANDED

3. Table shows standard conductor sizes. Consult factory if conductor is not standard diameter.
4. Total length of Pulling Eye device is the sum of **"L"** plus **"Eye O.D."**
5. Total length of Pulling Bolt device is the sum of **"L"** plus **"EL"** (Exposed Length of Bolt).
6. If U.I.I. Standard "Eyes" have O.D.'s too large to fit into existing ducts, consult factory for further information.
7. **"Exposed Length" (EL)** of Bolt can be factory modified to suit specific job conditions.
8. **"Stripping Distance" (SD)** is calculated to yield approximately one-half inch between crimped device and cable insulation.
9. **"Crimping Distance" (C)** is the area to be crimped according to assembly instructions which also provide waterproofing techniques. "Die Size" shows crimped diameter time 100. Refer to "Die Selection Chart" for appropriate die size for Crimping Tool to be used.
10. Page 9, Chapter 8 of "the Underground Systems Reference Book" specifies 0.008 times circular mils as the maximum recommended pulling tension (in pounds) to be applied to insulated copper conductors. An I CEA study recommends the same factor for copper, but only 0.006 times circular mils for insulated aluminum conductors. The figures shown in table under **"I CEA Maximum Tension"** are based on the 0.008 factor.
11. In some instances, the **"U.I.I. Ultimate Load Strength"** is limited by the breaking strength of the bolt. Consult factory if anticipated pulling tension exceeds 80% of the U.I.I. Ultimate Load. The maximum tension which can be exerted (in pounds) on U.I.I. standard pulling devices before failure of the **"U.I.I. Ultimate Load"**. Failure occurs in one of the following ways: conductor breaks; bolt breaks; devices breaks; or conductor slips out of device.