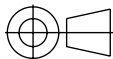


4X 5/8-11 UNC ∇ 0.87 [22.00]  
(0.015" oversize)



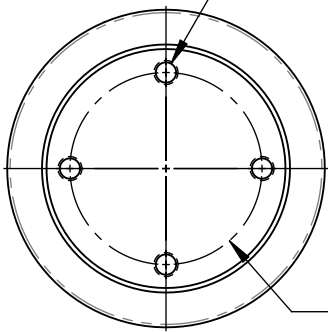
IN (MM)

PART: NPSCG289-7001

DRAWING NUMBER: 214-C-1472

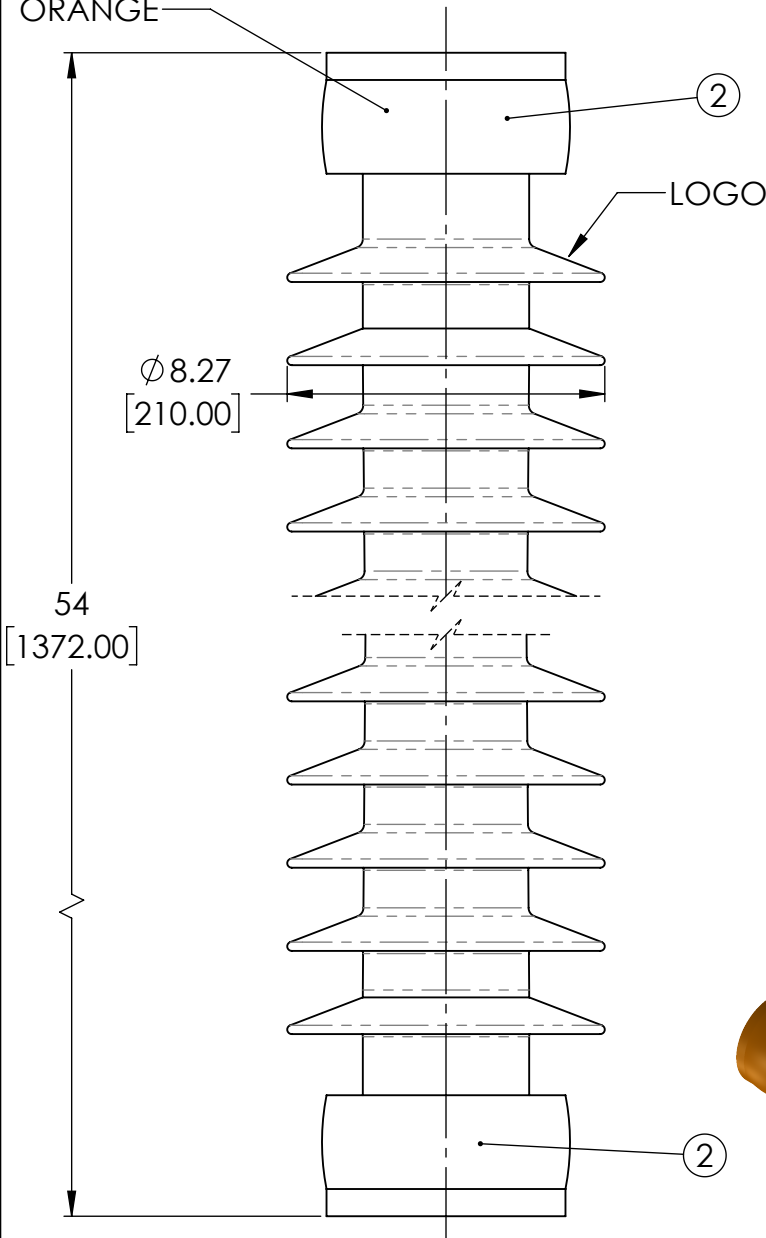
TITLE:  
SCG STATION POST INSULATOR-650 KV BIL

REF. TECHNICAL REFERENCE: TR-289



∅ 5.00  
[127.00]  
PCD

TOP CAP PAINTED  
ORANGE



TECHNICAL CHARACTERISTICS

MECHANICAL RATINGS

|                                                       |             |
|-------------------------------------------------------|-------------|
| CANTILEVER STRENGTH, lbs(kN)<br>(Upright & Underhung) | 2200 (9.78) |
| TENSION STRENGTH, lbs (kN)                            | 25000 (111) |
| TORSION STRENGTH, in-lbs (kN*m)                       | 90000(10.2) |
| COMPRESSION STRENGTH, lbs (kN)                        | 75000 (334) |

ELECTRICAL RATINGS

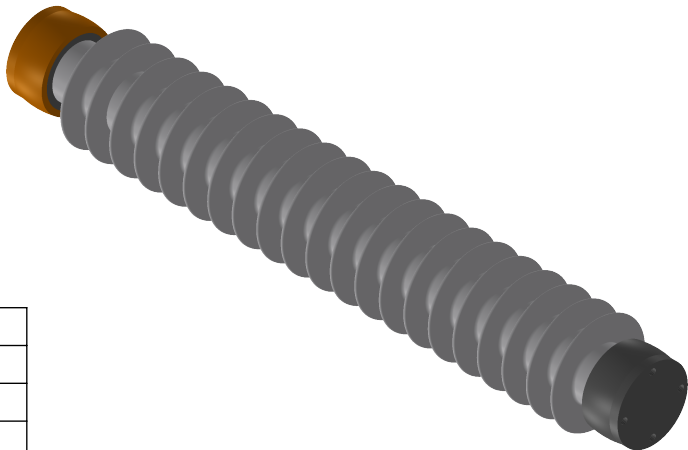
|                                                     |         |
|-----------------------------------------------------|---------|
| IMPULSE WITHSTAND VOLTAGE, kV                       | 650     |
| CRITICAL IMPULSE FLASHOVER<br>VOLTAGE, POSITIVE, kV | 710     |
| WET POWER FREQUENCY<br>WITHSTAND VOLTAGE, kV        | 275     |
| CURRENT AT RATED VOLTAGE, mA                        | 0.5-1.5 |

RADIO INFLUENCE VOLTAGE RATINGS

|                                |     |
|--------------------------------|-----|
| LOW FREQUENCY TEST VOLTAGE, kV | 88  |
| MAX. RIV AT 1000kHz, μV        | 200 |

PHYSICAL CHARACTERISTICS

|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| MINIMUM LEAKAGE<br>DISTANCE,in(mm) | 116(2946)                                        |
| UNIT HEIGHT, in (mm)               | 54(1372)                                         |
| NET WEIGHT, lbs (kg)               | 161(73)                                          |
| GLAZE COLOR                        | SEMI-CONDUCTIVE<br>GRAY                          |
| APPLICABLE STANDARD                | ANSI C29.9 &<br>IEC:60168,273, &<br>IS:2544,5350 |



|     |                |                |            |           |
|-----|----------------|----------------|------------|-----------|
| 2   | CAPS           | HOT DIP GALV.  | 2          | MCI/SGI   |
| 1   | INSULATOR BODY | SCG GRAY GLAZE | 1          | PORCELAIN |
| NO. | DESCRIPTION    | REMARK         | QTY        | MATERIAL  |
|     | DESIGNED       | M.ANUVADIYA    | 2023-02-27 |           |
|     | DRAWN          | M.ANUVADIYA    | 2023-02-27 |           |
|     | CHECKED        | S.RAMANI       | 2023-02-27 |           |
|     | APPROVED       | S.RAMANI       | 2023-02-27 |           |

REF: 214-C-1472

DWG. TYPE: SALES