

## Cable Construction

- **Center Conductor**

Material : 10AWG CCA(Copper Clad aluminum) or Cu

Diameter :  $2.77 \pm 0.05$  mm

- **Dielectric**

Gas Expanded PE

Diameter :  $11.43 \pm 0.1$  mm

- **Outer Conductor**

Aluminum Tube Thickness: 0.64mm

Diameter : 12.70mm

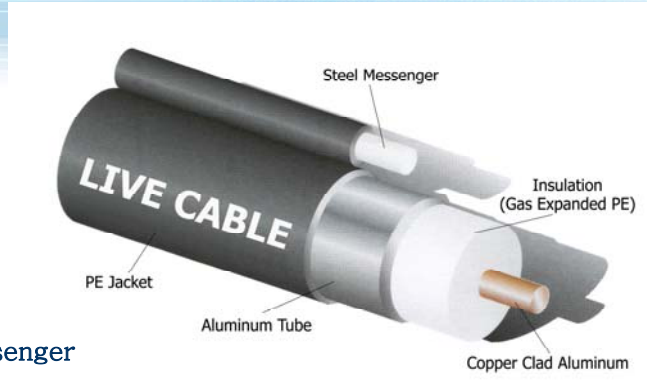
- **Jacket**

Diameter :  $14.70 \pm 0.2$  mm

Jacket Thickness :  $0.90 \pm 0.2$ mm

- **Steel Messenger**

Domestic :  $2.77 \pm 0.05$  mm



[Construction Drawing]

## Physical Dimensions

|                                   |                        |                                        |              |
|-----------------------------------|------------------------|----------------------------------------|--------------|
| <b>Impedance</b>                  | 75±2 Ω                 | <b>Inner Voltage</b>                   | 1,000 V/2min |
| <b>VSWR</b>                       | 1.2                    | <b>Insulation Resistance (Mohm-Km)</b> | 1,000 MΩ     |
| <b>Inner Conductor Resistance</b> | CCA : 4.40↓ CU : 2.72↓ | <b>Mutual Capacitance(pf/m)</b>        | 50±3         |

## Attenuation (20°C)

| FREQUENCY (MHz) | dB/100FT. | dB/100M |
|-----------------|-----------|---------|
| 5               | 0.16      | 0.52    |
| 55              | 0.54      | 1.77    |
| 200             | 1.06      | 3.48    |
| 250             | 1.02      | 3.94    |
| 300             | 1.31      | 4.30    |
| 350             | 1.43      | 4.69    |
| 400             | 1.53      | 5.02    |
| 450             | 1.63      | 5.35    |
| 500             | 1.73      | 5.68    |
| 550             | 1.82      | 5.97    |
| 600             | 1.91      | 6.27    |
| 750             | 2.16      | 7.09    |
| 1000            | 2.52      | 8.27    |

Attenuation increases with increasing temperature and decreases with decreasing temperature at the rate of 0.1%/°F (0.18%/°C)