

## 625F

625 Seamless Aluminum Tube Cable With Foolded,Black PE Jacket.



### Material Specification

|                                |                        |               |
|--------------------------------|------------------------|---------------|
| Inner Conductor                | Copper Clad Aluminum   | 3.48±0.05 mm  |
| Dielectric                     | Foam Polyethylene      | 14.40±0.10 mm |
| Outer Conductor                | Extruded Aluminum Tube | 15.88±0.10 mm |
| Flooded                        | Jelly                  | —             |
| Jacket                         | PE                     | 17.65±0.20 mm |
| Outer Conductor Thickness, nom | —                      | 0.76mm        |
| Jacket Thickness ,min          | —                      | 0.53 mm       |

### Electrical Specification

|                                     |               |            |
|-------------------------------------|---------------|------------|
| Characteristic Impedance            | 75±2 Ω        |            |
| Velocity of Propagation             | 87%           |            |
| Capacitance                         | 50.2 PF/m     |            |
| Jacket Spark Test Voltage           | 5 KV          |            |
| Operating Frequency Band            | 5-3000 MHz    |            |
| DC Resistance, Inner Conductor, max | 2.95 Ω/km     | 0.90 Ω/kft |
| DC Resistance,Out conductor, max    | 0.82 Ω/km     | 0.25 Ω/kft |
| DC Resistance,Loop , max            | 3.77 Ω/km     | 1.15 Ω/kft |
| SRL min                             | 5-1002 MHz    | 30 dB      |
|                                     | 1002-1218 MHz | 24 dB      |
|                                     | 1218-1794 MHz | 20 dB      |
|                                     | 1794-2250 MHz | 20 dB      |
|                                     | 2250-3000 MHz | 20 dB      |

### Mechanical Specifications

|                       |          |
|-----------------------|----------|
| Bending Radius ,min.  | 114.3 mm |
| Pulling Tension, max  | 215 kg   |
| Jacket Tensile,min    | 10.3 MPa |
| Jacket Elongation,min | 400%     |

### Environmental Specifications

|                          |             |
|--------------------------|-------------|
| Installation Temperature | -55°C~+85°C |
| Operating Temperature    | -40°C~+60°C |
| Storage Temperature      | -55°C~+85°C |
| RoHS 2011/65/EU          | Compliant   |

### Attenuation @ 20°C max

| Frequency, MHz | dB/100ft | dB/100m | Frequency, MHz | dB/100ft | dB/100m |
|----------------|----------|---------|----------------|----------|---------|
| 5              | 0.13     | 0.43    | 750            | 1.79     | 5.87    |
| 55             | 0.46     | 1.51    | 870            | 1.95     | 6.40    |
| 211            | 0.92     | 3.02    | 1002           | 2.11     | 6.92    |
| 250            | 1.00     | 3.28    | 1218           | 2.32     | 7.62    |
| 270            | 1.04     | 3.41    | 1500           | 2.66     | 8.74    |
| 300            | 1.08     | 3.54    | 1794           | 2.96     | 9.70    |
| 330            | 1.16     | 3.80    | 1800           | 2.97     | 9.72    |
| 350            | 1.19     | 3.90    | 2000           | 3.15     | 10.34   |
| 400            | 1.28     | 4.20    | 2200           | 3.34     | 10.95   |
| 450            | 1.35     | 4.43    | 2500           | 3.6      | 11.81   |
| 500            | 1.43     | 4.69    | 2700           | 3.77     | 12.37   |
| 550            | 1.51     | 4.95    | 3000           | 4.02     | 13.19   |
| 600            | 1.58     | 5.18    |                |          |         |