

# RG690W With Compression Connector



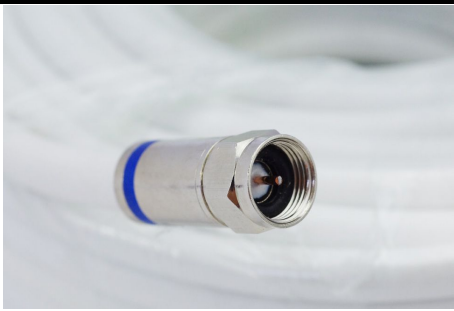
KT1800

## Construction Parameters:

|                 |                                                    |
|-----------------|----------------------------------------------------|
| Inner Conductor | 0.040"/1.02mm/18AWG Copper-Clad Steel              |
| Dielectric      | 0.180"/4.57mm Foamed PE(Gas Expanded Polyethylene) |
| Shield 1        | 0.187"/4.75mm Bonded Aluminum-Polypropylene        |
| Shield 2        | Aluminum braid wire 90% coverage                   |
| Jacket          | 0.272"±0.006"/6.91±0.15mm PVC White                |
| Connector       | RG6 Compression Connector                          |
| Application     | CATV strength signal transfer                      |
| Length          | 20m/25m/30m                                        |

## Electrical Characteristics:

|                            |                                    |
|----------------------------|------------------------------------|
| Inner Conductor Resistance | The Max. at 20℃ shall be < 87 Ω/km |
| Capacitance                | 52 ±3 pF/m                         |
| Impedance                  | 75 ± 3 Ω                           |
| Return loss                | between 5 and 1000MHz: > 22dB      |
| Velocity of Propagation    | 0.85                               |
| Sparker Test (VAC)         | 4                                  |



## Attenuation(20℃):

| Frequency (MHZ) | Max Attenuation(dB/100ft) | Max Attenuation (dB/100m) |
|-----------------|---------------------------|---------------------------|
| 5               | 0.58                      | 1.90                      |
| 55              | 1.60                      | 5.25                      |
| 83              | 1.95                      | 6.40                      |
| 187             | 2.85                      | 9.35                      |
| 250             | 3.30                      | 10.82                     |
| 300             | 3.55                      | 11.64                     |
| 350             | 3.85                      | 12.63                     |
| 450             | 4.40                      | 14.43                     |
| 500             | 4.66                      | 15.29                     |
| 600             | 5.10                      | 16.73                     |
| 750             | 5.65                      | 18.54                     |
| 865             | 6.10                      | 20.01                     |
| 1000            | 6.55                      | 21.49                     |

## Mechanical and Envrionmental Properties

|                      |                             |
|----------------------|-----------------------------|
| Cable bend radius    | 10 times the cable diameter |
| Operating Temp Range | -20 ℃ to 60℃                |

## Connector Choice

