

## TV7511DBR

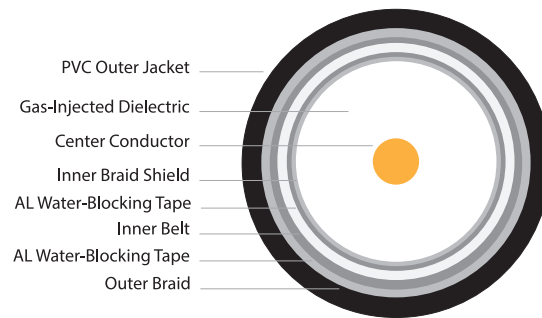
Digital 75Ω Direct Burial, Riser Rated RG11 Triaxial Camera Cable



Part Number: **TV7511DBR**  
Description: Digital 75Ω Riser Rated RG11 Triaxial Camera Cable

### Materials & Dimensions

|                  |  |
|------------------|--|
| Center Conductor | 14AWG Solid BC .064" O.D.                        |
| Dielectric       | Gas-Injected Foam PE .285" O.D.                  |
| Inner Shields    | 90% TC Braid + 100% Aluminum Water Blocking Tape |
| Inner Belt       | TPE, .365" O.D.                                  |
| Outer Shield     | 100% Aluminum Water Blocking Tape + 90% TC Braid |
| Outer Jacket     | PVC  |
| Overall Diameter | .491"  |
| Available Colors | Black  |



### Performance Characteristics

| Impedance  | Return Loss                                  | DC Resistance  | Capacitance | Vel. of Prop. | Pulling Tension | Bend Radius | Operating Temperature | UL Rating | Weight      |
|------------|--|--|-------------|---------------|-----------------|-------------|-----------------------|-----------|-------------|
| 75Ω (+/-3) | >22 dB (1MHz - 1GHz)<br>>15 dB (1GHz - 3GHz) | Conductor: 2.5 Ω/Mft<br>Inner Shield: 1.5 Ω/Mft<br>Outer Shield: 1.4 Ω/Mft | 16.2 pF/ft  | 84%           | 170 lbs max.    | 4.8" min.   | -30°C to 75°C         | CMR       | 152 lbs/Mft |

| Frequency                 | 1 MHz | 3.6 MHz | 10 MHz | 71.5 MHz | 135 MHz | 270 MHz | 360 MHz | 720 MHz | 1 GHz | 1.5 GHz | 2.25 GHz | 3 GHz |
|---------------------------|-------|---------|--------|----------|---------|---------|---------|---------|-------|---------|----------|-------|
| Attenuation dB/100 feet   | 0.14  | 0.28    | 0.42   | 1.1      | 1.5     | 2.3     | 2.7     | 4.0     | 5.0   | 6.3     | 7.9      | 9.6   |
| Attenuation dB/100 meters | 0.46  | 0.92    | 1.4    | 3.6      | 4.9     | 7.5     | 10.2    | 13.1    | 16.4  | 20.7    | 25.9     | 31.5  |

The TV7511DBR is a unique RG11 triaxial cable that features a direct burial construction that is also UL Riser Rated. This dual purpose design allows for the TV7511DBR to be buried and be run through conduit in most building structures. As a result, two different cables with a connector junction point are not required. Built for modern digital video standards, the TV7511DBR features a gas-injected dielectric, a 3GHz bandwidth, certified return loss specifications and a precision 75Ω characteristic impedance. The center conductor is made from 14AWG solid bare copper for the lowest available attenuation in a triaxial cable.