

TV7559DS

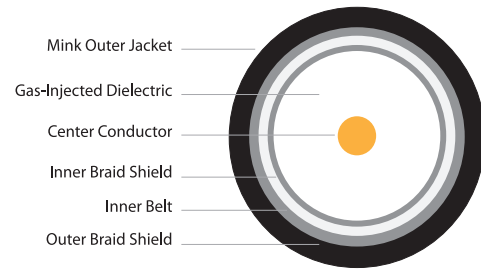
Digital 75Ω RG59 Triaxial Camera Cable - Solid Conductor



Part Number: **TV7559DS**
 Description: Digital 75Ω RG59 Triaxial Camera Cable - Solid Conductor

Materials & Dimensions

| | |
|------------------|---|
| Center Conductor | 20AWG Solid BC .032" O.D. |
| Dielectric | Gas-Injected Foam PE .146" O.D. |
| Inner Shield | 95% TC Braid |
| Inner Belt | TPE, .220" O.D. |
| Outer Shield | 95% TC Braid |
| Outer Jacket | TPE |
| Overall Diameter | .350" |
| Available Colors | Black (other colors available as special order) |



Performance Characteristics

| Impedance | Return Loss | DC Resistance | Capacitance | Vel. of Prop. | Pulling Tension | Bend Radius | Operating Temperature | Weight |
|------------|--|---|-------------|---------------|-----------------|-------------|-----------------------|------------|
| 75Ω (+/-3) | >22 dB (1MHz - 1GHz) >15 dB (1GHz - 3GHz) | Conductor: 10.0 Ω/Mft Inner Shield: 2.6 Ω/Mft Outer Shield: 1.7 Ω/Mft | 16.2 pF/ft | 83% | 124 lbs max. | 2.4" min. | -35°C to 75°C | 80 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 | 0.30 | 0.58 | 0.89 | 2.2 | 3.0 | 4.2 | 4.8 | 7.0 | 8.3 | 10.4 | 13.2 | 20.5 |
| Attenuation dB/100 meters | 0.98 | 1.9 | 2.9 | 7.2 | 9.8 | 13.8 | 15.7 | 23.0 | 27.2 | 34.1 | 43.3 | 67.2 |

The TV7559DS is a precision RG59 triaxial cable for digital or analog camera applications. Built for modern digital video standards, the TV7559DS features a gas-injected dielectric, a 3GHz bandwidth, certified return loss specifications and a precision 75Ω characteristic impedance. The center conductor is made from 20AWG solid copper for improved high frequency performance. Ideal for use in studio or remote production environments, the TV7559DS outer jacket is extruded from Clark's proprietary flexible TPE compound for exceptional flexibility and abrasion resistance.