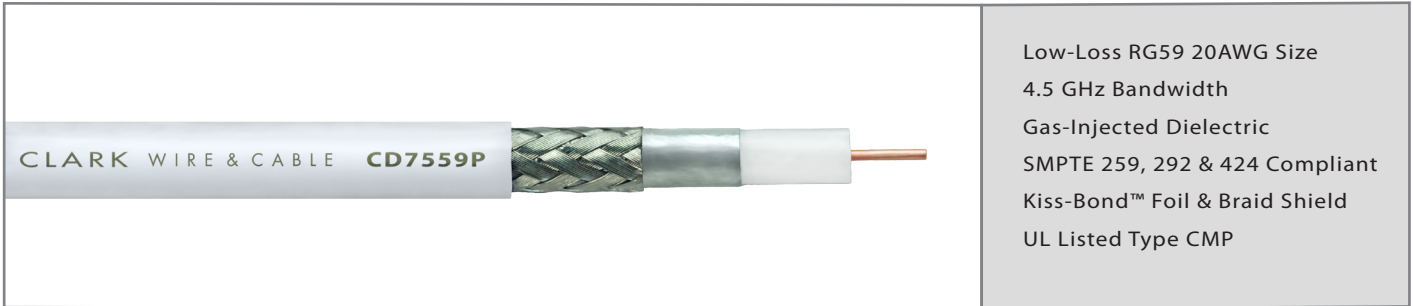


PRODUCT BULLETIN

#24601

CD7559P Plenum 4.5GHz HD/SDI RG59 Coaxial Cable

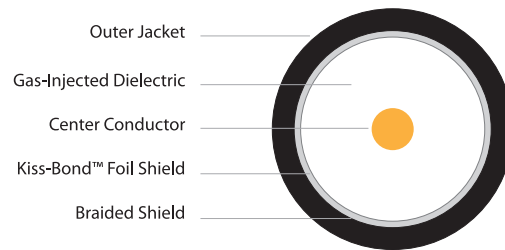


Part Number Overview

Part Number: **CD7559P**
Description: 4.5GHz HD/SDI RG59 Plenum Rated Coaxial Cable

Materials & Dimensions

| | |
|------------------|--|
| CENTER CONDUCTOR | 20 AWG Solid BC .032" OD |
| DIELECTRIC | Gas-Injected Foam FEP .135" OD |
| SHIELD | 100% Kiss-Bond™ Aluminum Foil 95% TC Braid |
| JACKET | Low Pressure, Easy Strip PL-PVC |
| OVERALL DIAMETER | .195" |
| AVAILABLE COLORS | black, brown, red, orange, yellow, green, blue, violet, grey, white |



Performance Characteristics

| Impedance | Return Loss | DC Resistance | Capacitance | Vel. of Prop. | Pulling Tension | Bend Radius | Operating Temperature | Weight | UL Listing |
|------------|---|--|-------------|---------------|-----------------|-------------|-----------------------|------------|------------|
| 75Ω (+/-2) | >23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz) | Conductor: 10.0 Ω/Mft Shield: 7.6 Ω/Mft | 16.1 pF/ft | 84% | 53 lbs max. | 1.9" min. | 0°C to 75°C | 29 lbs/Mft | CMP |

| 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 | 4.5 GHz |
|---------------------------|-------|---------|--------|----------|---------|---------|---------|---------|-------|---------|----------|-------|---------|
| Attenuation dB/100 feet | 0.28 | 0.55 | 0.88 | 2.1 | 2.9 | 4.1 | 4.8 | 7.2 | 9.0 | 11.5 | 14.8 | 17.5 | 27.5 |
| Attenuation dB/100 meters | 0.92 | 1.8 | 2.9 | 6.9 | 9.5 | 13.5 | 15.7 | 23.6 | 29.5 | 37.7 | 48.5 | 57.4 | 90.2 |

| HD/SDI Data Rate | 270 Mb/s | 360 Mb/s | 1.5 Gb/s | 3 Gb/s |
|----------------------------|----------|----------|-------------|-------------|
| Maximum Distance (typical) | 990' | 882' | 239' - 375' | 153' - 233' |

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission distances.

The CD7559P is a precision 4.5 GHz RG6 coax for HD/SDI, standard SDI or high resolution video applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Also built for easy termination, the CD series has an easy-to-strip outer jacket and Clark's unique Kiss-Bond™ bonded foil shield that can either be left on removed during connector termination. UL rated type CMP, the CD7559P can be installed in a variety of permanent installation locations and environments.

