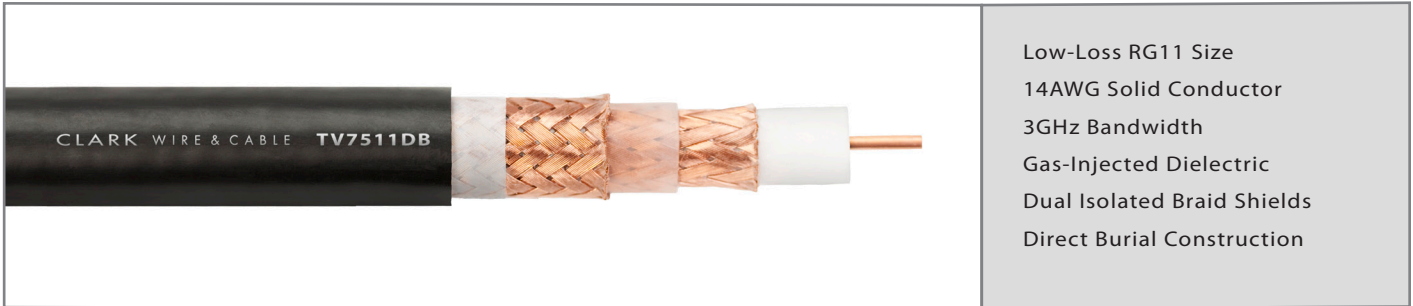


# PRODUCT BULLETIN

#28401

## TV7511DB Digital 75Ω Direct Burial RG11 Triaxial Camera Cable

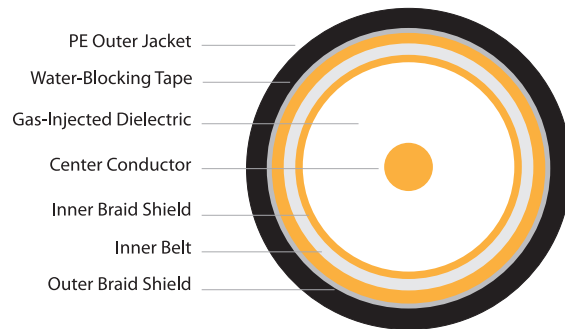


### Part Number Overview

Part Number: **TV7511DB**  
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 SHIELD	95% BC Braid
INNER BELT	PVC, .365" O.D.
OUTER SHIELD	95% BC Braid
BARRIER	Water-Blocking Tape
OUTER JACKET	PE
OVERALL DIAMETER	.475"
AVAILABLE COLORS	Black



### Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Weight
75Ω (+/-3)	>22 dB (1MHz - 1GHz) >15 dB (1GHz - 3GHz)	Conductor: 2.5 Ω/Mft Inner Shield: 1.6 Ω/Mft Outer Shield: 1.5 Ω/Mft	16.2 pF/ft	84%	170 lbs max.	4.8" min.	130 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	8.9	16.4	20.7	25.9	31.5

The TV7511DB is a precision RG11 triaxial cable for digital or analog camera applications. Built for modern digital video standards, the TV7511DB 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. For direct burial applications, the TV7511DB features a virtually impenetrable polyethylene outer jacket and a water-blocking tape that wraps around the inner core. This construction is extremely puncture resistant and provides an additional level of protection by absorbing moisture within the water-blocking tape in the event that the jacket is penetrated.