

Broadcast

Video Triaxial Cables



Mohawk's video triaxial cables are used to interconnect video cameras to related equipment. Triaxial cables are constructed with a solid or stranded center conductor and two isolated shields. The center conductor and the inner isolated shield make up a coaxial cable configuration that functions to carry the video signal. The outer isolated shield can be used for several separate signals by means of multiplexing that may include teleprompter feeds and control for automation such as robotics.

We offer both RG/U types of triaxial cable. The standard sizes include RG59/U and RG11/U types. The RG59/U is the smaller of the two and is generally more flexible. RG11/U has lower attenuation values that will allow longer cable runs. Both cables may be used with various OEM's Triax Adapter Systems for SD/HD transmission. The Mohawk Dura-Flex jacket was developed to enhance flexibility and provide excellent protection through a wide range of temperatures.



1/2" & 3/8" Triaxial Cable Assemblies

All assemblies are available in custom lengths. We offer industry standard Kings Tri-Lock® connectors as well as Fischer and LEMO triax connectors.

RG/U Type Video Triaxial Cables

Mohawk Part Number	AWG (stranding) Nom DCR	Dielectric Type Nominal OD Inch mm	Shield Type	Nominal OD Inch mm	Nom Imp ohms	Nominal Capacitance pF/ft pF/m	Nom Attenuation freq dB/ 100 ft dB/ 100m	Weight lbs/ M' kg/ km	Suggested Connector & Tooling
M50245 UL AWM10296 3/8" Triax RG-59/U Type	20 (Solid) .032 Bare Copper 10.1 Ω/M' 33.1 Ω/km	Cellular Polyethylene 146 3.71	2 BC - Inner 2.5 Ω/M' 8.3 Ω/km Outer 1.6 Ω/M' 5.3 Ω/km 95% Shield Coverage	356 9.02	75	16.2 53.2	1 3 98 10 8 2.62 71.5 2.2 7.22 135 3.0 9.84 270 4.2 13.78 360 4.8 15.75 540 5.9 19.36 720 6.9 22.64 1000 8.8 28.87	85 126	Connector: Kings Female 7703-2 Kings Male 7705-2 Tooling: Kings KTH-1000 Tool Kings KTH-2002 Die
M52479 UL AWM10296 1/2" Triax RG-11/U Type	14 (19x27) .064 Bare Copper 3.1 Ω/M' 10.2 Ω/km	Cellular Polyethylene 312 7.92	2 BC - Inner 1.8 Ω/M' 5.9 Ω/km Outer 1.4 Ω/M' 4.6 Ω/km 95% Shield Coverage	510 12.95	75	17.3 56.8	1 14 46 10 50 1.64 71.5 1.20 3.94 135 1.80 5.91 270 2.60 8.53 360 3.10 10.17 540 3.90 12.80 720 4.70 15.42 1000 5.70 19.70	158 235	Connector: Kings Female 7703-3 Kings Male 7705-3 Tooling: Kings KTH-1000 Tool Kings KTH-2041 Die

The above cables are available as assemblies using Kings, Fischer and LEMO Connectors. Kings are also available with protective full-body boots.

Water Resistant video Triaxial Cables and Triax Rubber Boot

This cable is a broadcast quality triaxial cable which is specially manufactured to provide moisture protection. This cable has a dual braid shield configuration separated by an inner polyolefin belt. An overall jacket of Dura-Flex provides excellent physical and mechanical properties. Offered in both 3/8" and 1/2" size.



These special triax boots are available on our assemblies to protect the connectors against handling and weather.

