

## Common Connector Descriptions and Maximum Frequencies

Connector Styles	Description	Frequency
<b>UHF</b>	Low frequency. Used in Amateur radio/CB radio etc	300 MHz
<b>TRB (BNC Triax)</b>	Used on applications where RF shielding and minimum noise radiation are required. Based on BNC connector	500MHz
<b>TRT (TNC TRIAX)</b>	Used on applications where RF shielding and minimum noise radiation are required. Based on TNC connector	500MHz
<b>F</b>	Low cost connector commonly used in TV applications.	1 GHz
<b>BNC</b>	Commonly used low cost connector. Uses bayonet fixing mechanism.	4 GHz
<b>HN</b>	High voltage version of N connectors	4 GHz
<b>SMB</b>	Subminiature snap-on connector (50ohm or 75 ohm)	4 GHz
<b>MCX</b>	Subminiature snap-on connector. Internal line size same as SMB but overall 30% smaller.	6 GHz
<b>ABMS</b>	New Connector interface designed by Intelliconnect. Based on MCX but much sturdier, better continuity and special termination method for small diameter cables	6 GHz
<b>MMCX</b>	Micro miniature connector	6 GHz
<b>7/16</b>	Used on high power communications systems. Eg Base Stations.	7.5 GHz
<b>C</b>	Durable internal bayonet connector. Quick connect/disconnect.	8 Ghz
<b>SMC</b>	Subminiature threaded connector	10 Ghz
<b>SC</b>	Screwfit version of C connector	11 Ghz
<b>N</b>	Durable threaded connector available in brass or stainless steel. (50ohm or 75 ohm)	11 Ghz
<b>TNC</b>	Threaded version of BNC connector. Can be used at much higher frequencies.	11 Ghz
<b>BMA</b>	Blind mate connector. Designed for both fixed and floating configurations.	18 Ghz
<b>Precision N</b>	N connector with enhanced features allowing performance to 18GHz.	18 Ghz
<b>Precision TNC</b>	TNC connector with enhanced features allowing performance to 18GHz.	18 Ghz
<b>7mm (APC-7)</b>	High precision genderless connector. Low VSWR	18 Ghz
<b>SMA</b>	Commonly used microwave connector. Generally specified to 18Ghz but some designs can work to 25Ghz. Available in brass and Stainless Steel.	18 Ghz
<b>3.5 mm</b>	Precision connector with air dielectric. Mates with SMA	26.5GHz
<b>SSMA</b>	Microminiature version of SMA connector.	40GHz
<b>2.9mm (K-type)</b>	Precision connector with air dielectric. Mates with SMA and 3.5mm	40GHz
<b>2.4 mm</b>	Precision connector with air dielectric. Mates with 1.85mm.	50Ghz
<b>1.85 mm</b>	Precision connector with air dielectric. Mates with 2.4mm.	60GHz
<b>1mm</b>	Ultra high precision connector.	110GHz