Coaxial Ribbon Cable Assemblies Available With RF Connectors

Tyco Electronics announced the availability of coaxial ribbon cable assemblies. Coaxial ribbon cable assemblies consist of individual coaxial cables encased in a PVC jacket making up a standard flat ribbon cable configuration. Each coaxial lead has a solid conductor and foil shield with a drain wire. This design allows the wire to be mass stripped and terminated. The connector styles available for termination to coaxial ribbon cable are BNC plugs, BNC jacks, COAXICON connectors, SMA, and SMB connectors.

The cables are available in either 50 or 75-ohm versions. The 50-ohm version has a nominal capacitance of 31 pf/ft and impedance of 50 &#177 3 ohms. The center conductor is 28 AWG copper and centerline spacing is .100 inches. The 75-ohm version has a nominal capcitance of 17 pf/ft and impedance of 75 &#177 4 ohms. A 30 AWG copper center conductor is used. Centerline spacing on the 75-ohm version is .100 inches. An alkyd enamel insulation coating is used with a PVC jacket on both versions. Cable assemblies with center polarization are available in 4, 5, 10, 13, 17, and 20 positions. Jack-screw cable assemblies are available in 5, 10, 13, 17, 20, and 25 positions. Dual polarization cable assemblies with detents are available in 4, 5, 8, 10, 12, 16, 17, 20, and 25 positions.

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