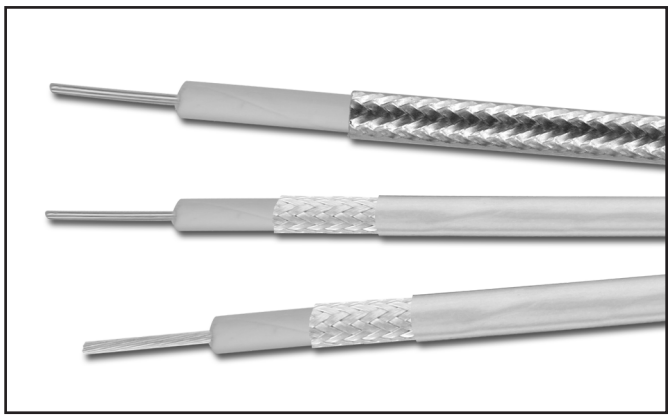
CellTec high-velocity coaxial cable

CellTec™ low-density foam fluoropolymer dielectric gives these coaxial cables high velocity of propagation, small size, and stable performance.

They are ideal for use in computer interconnect, telecommunications, and automated test equipment.

These cables are just some examples of the performance levels provided by CellTec dielectric—many other configurations are also available, including composite shielded types.



Construction Details

Center Conductor: Stranded silver-plated copper alloy (SPCA).

Dielectric: CellTec.

Shield: Tin- or silver-plated copper braid, 95% minimum coverage.

Jacket: Extruded FEP. Other jacket materials available.

Physical Properties

Conductor				Insulation Diameter	Shield Type	Jacket Diameter
AWG / Impedance	Material	Stranding	Diameter			
26 / 52Ω	SPCA	7 or 19	.019 (.48)	.050 (1.3)	SPC	.082 (2.1)
28 / 52Ω	SPCA	7 or 19	.015 (.38)	.040 (1.0)	SPC	.072 (1.8)
28 / 75Ω	SPCA	7 or 19	.015 (.38)	.064 (1.6)	SPC	.096 (2.4)
30 / 75Ω	SPCA	7 or 19	.012 (.30)	.050 (1.3)	SPC	.082 (2.1)

Dimensions in inches (mm). **SPC:** Silver-plated copper. **SPCA:** Silver-plated copper alloy.

Electrical Performance

AWG	Impedance	Capacitance (pF/ft)	Velocity of Propagation	Attenuation (dB / 100 feet @ 400 MHz)
26	52	24	82%	15.5
28	52	24	82%	20.3
28	75	16	84%	11.6
30	75	16	84%	14.6

All values are nominal unless otherwise indicated.

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