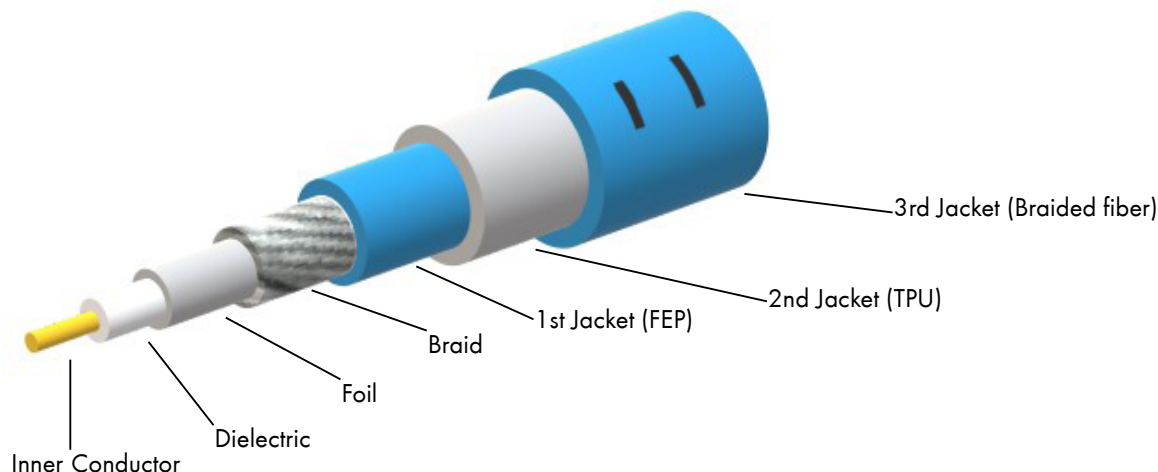




**R-Test AccuStability  
Coaxial Cable**

**AS40A**



**Material And Diameter**

Connector parts	Material	Diameter
Inner conductor	Solid, Silver Plated Copper (SPC)	6.00 mm (0.236 inch)
Dielectric	LD PTFE (Low Density Polytetrafluoroethylene)	
Foil	Copper, Silver plated	
Braid	Copper, Silver plated	
1st Jacket	FEP (Fluorinated ethylene propylene)	
2nd Jacket	TPU (Thermoplastic Polyurethane)	
3rd Jacket	Braided fiber	

**Electrical Data**

Impedance	50 $\Omega$
Frequency	DC to 40 GHz
Capacitance	85.8 pF/m
Velocity of signal propagation (nominal)	80 %
Signal delay	3.94 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M $\Omega$ /m
Screening effectiveness	$\geq 100$ dB (up to 18 GHz)
Operating Voltage Max. ( Vrms @ 60 Hz )	$\leq 1.9$ kVrms (@ sea level)
Power Handling	See chart
Phase Stability vs Bending	$\pm 5^\circ$ typ/ $\pm 9.5^\circ$ max*
Amplitude Stability vs Bending	$\pm 0.10$ dB typ/ $\pm 0.20$ dB max*

\* according to IEC60966-1, wrapped 360° around a mandrel of 57 mm (2.25 in) radius

**Mechanical Data**

Weight	N/A
Min. bending radius	10.00 mm
Flexures	$\geq 5000$

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**Environmental Data**

Temperature range -55°C to +85°C  
RoHS (2011/65/EU) compliant

**Typical Attenuation**

Frequency (GHz)	Typical Attenuation (dB/m) @ 20°C sea level	Typical Attenuation (dB/ft) @ 20°C sea level	Max. CW power (Watt) @ 20°C sea level
18	1.70	0.52	155
26.5	2.30	0.70	127
40	2.84	0.87	105