

# ASR Family Cable Specifications



## DOCUMENT No: FAMILY ASR

Description	ASR	ASR-F					
Cable Code	N/A	N/A					
MIL Number	N/A	N/A					
Diameter (inch)	0.266	0.375					
Frequency, Max (GHz)	50	50					
Loss @ 5 GHz (dB/100ft)	39.0	35.9					

Electrical Data							
Impedance, nominal ( $\Omega$ )	50	50					
VSWR (Max)	1.50:1	1.50:1					
Velocity of Propagation (%)	76.5	78					
Shielding Effectiveness, 18 GHz (dB/ft)	>100	>90					
Capacitance (pF/ft)	27	26					
Delay (ns/ft)	1.33	1.30					

Mechanical Data							
Weight (lbs/100ft)	N/A	N/A					
Temperature Range ( $^{\circ}$ C)	-55 to +125*	-55 to +150*					
Minimum Bend Radius (inch)	1.00	1.00					

\*Temperature ranges with standard boots -55 to +100C

Construction Data							
Inner Conductor	Solid SPC	Solid SPC					
Dielectric	Expanded PTFE	Expanded PTFE					
First Outer Shield	N/A	Flat Braid SC					
Second Outer Shield	N/A	Foil KP					
Third Outer Shield	N/A	Braid SC					
Cable Jacket	Tin plated Copper	FEP					
Armor Jacket	Stay-Put ST/STL	MonoCoil & Silicone					
Protective Jacket	N/A	Braid*					

\* Abrasion Resistant Braid