



#### **Description:**

RG-6/U Type, 18 AWG solid .040" bare copper conductor, gas-injected foam HDPE insulation, Duofoil® + tinned copper braid shield (95% coverage), PVC jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Coax		1				
Total Number of Conductors		1				
RG Type		6/U				
		18				
Stranding		Solid	Solid			
Conductor Diameter		1.016 mm				
Conductor Material		BC - Bare Copper				
INSULATION:						
Insulation Material		Gas-injected FHDPE - Foam High Density Polyethylene				
Insulation Diameter		4.572 mm				
OUTER SHIELD:						
Outer Shield Material Trade Name		Duofoil®				
Outer Shield Type		Tape/Braid				
Outer Shield Material :						
Layer Number	Trade Name	Туре	Material	% Coverage (%)		
1	Duofoil®	Таре	Aluminum Foil-Polyester Tape-Aluminum Foil	100		
2		Braid	TC - Tinned Copper	95		
Outer Shield %Coverage		100 %				
OUTER JACKET:						
Outer Jacket Material		PVC - Polyvinyl Chloride				
OVERALL NOMINAL DIAMETER:						
Overall Nominal Diameter		6.96 mm				
MECHANICAL CHARACTERISTICS:						
Operating Temperature Range		-30°C To +75°C				



		5	1600 4500	23 21			
Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Return Loss (dB)			
Minimum Return Loss :							
Nominal Outer Shield DC F	Resistance @ 20°C	9.187 Ohms/km					
Nom. Conductor DC Resistance @ 20 Deg. C		20.998 Ohms/km					
Nominal Delay		4.068 ns/m					
Nominal Velocity of Propag	gation	82 %					
Nom. Capacitance Conduct	or to Shield	53.152 pF/m					
Nom. Inductance		0.348 µH/m					
Nom. Characteristic Impeda	ance	75 Ohms					
ELECTRICAL CHARAC	CTERISTICS:						
Plenum Number		1695A					
Plenum (Y/N)		Ν					
PLENUM/NON-PLENUM	И:						
Suggested Connectors		Crimp Gold Pin BNC (75 Ohms); Kings 2065-10-9 Dual Crimp Gold Pin (75 Ohms); Trompeter UPL220-20 Dual Crimp Gold Pin BNC (75 Ohm); ADC BNC-1694D Dual Crimp Gold Pin BNC (75 Ohm)					
Suggested Connectors		AMP 221185-1 Dual Crimp Gold Pin BNC (75 Ohms); Amphenol 31-70000 Dual					
Suitability - Outdoor Suitability - Aerial		Yes - Black only, when supported by a messenger wire					
Suitability - Indoor Suitability - Outdoor		Yes Yes - Black only					
		Vas					
SUITABILITY:			10 4.5 GHL.				
Sweep Testing		100% Sween tested 5 MHz	100% Sweep tested 5 MHz to 4.5 GHz.				
SWEEP TEST:							
UL Flame Test		UL1666 Vertical Shaft					
FLAME TEST:							
EU RoHS Compliance Date	e (mm/dd/yyyy):	01/01/2004					
EU RoHS Compliant (Y/N)		Yes					
EU CE Mark (Y/N)		Yes	Yes				
CEC/C(UL) Specification		CMG	CMG				
NEC/(UL) Specification		CMR	CMR				
APPLICABLE STANDA	RDS:						
APPLICABLE SPECIFIC	CATIONS AND AGENO	CY COMPLIANCE:					
Min. Bend Radius (Install)		69.85 mm					
Max. Recommended Pulling	g Tension	306.926 N					
Bulk Cable Weight		59.528 Kg/Km					



Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100m)	
	1			0.787	
	3.58			1.476	
	5			1.772	
	7			2.067	
	10			2.362	
	67.5			5.151	
	71.5			5.25	
	88.5			5.742	
	100			6.037	
	135			6.89	
	143			7.087	
	180			7.94	
	270			9.745	
	360			11.254	
	540			13.944	
	720			16.241	
	750			16.405	
	1000			19.325	
	1500			24.05	
	2000			28.118	
	2250			29.988	
	3000			35.008	
	4500			43.604	
Max. Operating Volta	age - UL	300 V RMS			
Other Electrical Characteristic 1		Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 u a 75 Ohm fixed bridge and termination. 75 $\pm$ 1.5 Ohms			
Other Electrical Characteristic 2		Return Loss tested in accor Ohm fixed bridge and term	Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 7 Ohm fixed bridge and termination.		
NOTES:					

Notes

Also available in bundled versions. See 7710A through 7713A.

### **PUT-UPS AND COLORS:**

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1694A 0011000	#18 PE/GIFHDPE SH FR PVC	304.8	20.43	BROWN	С
1694A 0014500	#18 PE/GIFHDPE SH FR PVC	1371.6	91.935	BROWN	С
1694A 0021000	#18 PE/GIFHDPE SH FR PVC	304.8	20.43	RED	С
1694A 0024500	#18 PE/GIFHDPE SH FR PVC	1371.6	91.935	RED	С
1694A 0031000	#18 PE/GIFHDPE SH FR PVC	304.8	20.43	ORANGE	С



1694A 0041000	#18 PE/GIFHDPE	304.8	20.43	YELLOW	С
	SH FR PVC				
1694A 0061000	#18 PE/GIFHDPE SH FR PVC	304.8	20.43	BLUE, LIGHT	С
1694A 0064500	#18 PE/GIFHDPE SH FR PVC	1371.6	91.935	BLUE, LIGHT	С
1694A 0071000	#18 PE/GIFHDPE SH FR PVC	304.8	20.43	VIOLET	С
1694A 0074500	#18 PE/GIFHDPE SH FR PVC	1371.6	91.935	VIOLET	С
1694A 0081000	#18 PE/GIFHDPE SH FR PVC	304.8	20.43	GRAY	С
1694A 0084500	#18 PE/GIFHDPE SH FR PVC	1371.6	91.935	GRAY	С
1694A 0091000	#18 PE/GIFHDPE SH FR PVC	304.8	20.43	WHITE	С
1694A 0101000	#18 PE/GIFHDPE SH FR PVC	304.8	20.43	BLACK	С
1694A 0104500	#18 PE/GIFHDPE SH FR PVC	1371.6	91.935	BLACK	С
1694A 010500	#18 PE/GIFHDPE SH FR PVC	152.4	9.307	BLACK	С
1694A N3U1000	#18 PE/GIFHDPE SH FR PVC	304.8	20.43	GREEN, MIL	С
1694A N3U4500	#18 PE/GIFHDPE SH FR PVC	1371.6	91.935	GREEN, MIL	С

C = CRATE REEL PUT-UP.

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