AMERICAN FINE F690BV

Evaluation of RG-6 90% without mess Versus SCTE specification Requirements

Cable Parameter	American Fine RG-6 90%	SCTE Requirement	Result
Conductor diameter/mm	**1.02**	1.02 ±0.01	Complies
Copper Ductility	**No Cracks**	No Cracks	Complies
Insulation Shrinkage,mm	**2.5**	*6.4 max	Complies
Insulation OIT, Unaged,mios	<30	*<30	Complies
Aged OIT, % of original	>70	*>70	Complies
Conductor - Insulation Adhesion, N	**22-67**	22 Min	Complies
Center Conductor electrical conductivity,%	**18**	18	Complies
Core Ovality, inch/mm	**0.33**	0.33 max	Complies
Braid Wire Type	**Aluminium**	**Aluminium**	Complies
Braid Wire Diameter, mm	**0.16**	0.16 ± 0.01	Complies
Braid Coverage, %	**90**	90	Complies
Center Conductor Bond to Dielectric, Lbs(Kgs)	10(4.5)	5(2.3)Minimun	Complies
Center Conductor Minimum Break Streght,(Kgf)	65,3	65,3	Complies
Nominal Dielectric Diamenter,mm	4,57	4,57	Complies
% minimum and maximum for LST shall overlap	15/23	18/35	Complies
PVC Jacket properties:			
Densitity, g/cc	1.43	*1.45 max	Complies
Tensile Strength, psi	2100	*1800 min	Complies
Aged Elongation, %or Unaged	90	*75% min	Complies
Print Legilbility	Legible	*Legible	Complies
Jacket Overall Diamenter,mm	**6.93**±0,20	**6.93**±0,20	Complies
Electrical Specifications			
Attenuation at Various Frequencies, dB/meter			
5 MHz	**1.90**	*1.90 Max*	Complies
55 MHz	**5.25**	*5.25 Max*	Complies
250 MHz	**10.82**	*10.82 Max*	Complies
350 MHz	**12.26**	*12.63 Max*	Complies
400 MHz	**13.61**	*13.61 Max*	Complies
450 MHz	**14.43**	*14.43 Max*	Complies
500 MHz	**15.29**	*15.29 Max*	Complies
550 MHz	**16.08**	*16.08 Max*	Complies
600 Mhz	**16.73**	*16.73 Max*	Complies
750 MHz	**18.54**	*18.54 Max*	Complies
870 MHz	**20.04**	*20.04 Max*	Complies
1000 MHz	**21.49**	*21.49 Max*	Complies
Loop Electrical Resistance, Ohm x Km	**135**	135	Complies
Structural Return Loss, dB	**20**	20 min	Complies
Dielectric Withstand	**Pass**	Pass	Complies
Impedance,ohms	**75.55**	75 ± 3	Complies

Notes: * These test requeriments are Bellcore-not available in SCTE