

AMERICAN FINE F1190BVM

Evaluation of RG-11 90% with mess Versus SCTE specification Requirements

Cable Parameter	American Fine RG-11	SCTE Requirement	Result
Conductor diameter/mm	1.63	1.63	Complies
Copper Ductility	Pass	*Pass	Complies
Insulation Shrinkage,mm	2.0	*6.4 max	Complies
Insulation OIT, Unaged,mios	<30	*<30	Complies
Aged OIT, % of original	>70	*>70	Complies
Conductor - Insulation Adhesion, N	67-178	67 Min	Complies
Center Conductor electrical conductivity,%	18	18	Complies
Core Ovality, inch/mm	0.38	0.38 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)	164,7	164,7	Complies
Nominal Dielectric Diamenter,mm	7,10	7,10	Complies
% minimum and maximum for LST shall overlap	15/23	18/35	Complies
PVC Jacket properties:			
Density, g/cc	1.43	*1.45 max	Complies
Tensile Strength, psi	2100	*1800 min	Complies
Aged Elongation, %or Unaged	90	*75% min	Complies
Print Legibility	Legible	*Legible	Complies
Jacket Overall Diamenter,mm	10.16±0,20	10.16±0,25	Complies
Electrical Specifications			
Attenuation at Various Frequencies, dB/meter			
5 MHz	1.25	1.25 Max	Complies
55 MHz	3.15	3.15 Max	Complies
250 MHz	6.75	6.72 Max	Complies
350 MHz	7.94	7.94 Max	Complies
400 MHz	8.65	8.53 Max	Complies
450 MHz	9.02	9.02 Max	Complies
500 MHz	9.51	9.51 Max	Complies
550 MHz	9.97	9.97 Max	Complies
600 Mhz	10.18	10.43 Max	Complies
750 MHz	11.97	11.97 Max	Complies
870 MHz	13.15	13.31 Max	Complies
1000 MHz	14.3	14.27 Max	Complies
Loop Electrical Resistance, Ohm x Km	65.6	65.6	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