



"Results You Can Count On"

Model 458-LM-A2-18-TF Simulator



- **Simulates 24 AWG and 26 AWG as specified in ANSI T1.417**
- **Bandwidth DC to 18 MHz**
- **Ideal for testing ADSL, ADSL2, ADSL2+, ADSL2++, VDSL, VDSL2 (supports up to Profile 17a) modems**
- **24 AWG: Loop lengths programmable from 0 to 16,000 ft in 100-ft increments**
- **26 AWG: Loop lengths programmable from 0 to 16,000 ft in 100-ft increments**
- **Provides greater attenuation accuracy for G.hs (G.994.1 handshaking) tone/carriers set by the DSLAM and modem.**
- **Plugs into our Model 458-CC-16 (16-slot) or 458-3SLB (3-Slot chassis)**



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Model 458-LM-A2-18-TF Simulator (continued)

Product Specifications																																																																		
Simulation	<ul style="list-style-type: none"> • Accurately simulates attenuation and impedance • Full bidirectional operation at all specified frequencies • 24 AWG/26 AWG as specified in ANSI T1.417 																																																																	
Bandwidth	DC to 18 MHz																																																																	
Attenuation Accuracy (when source and load impedances are 100 ohms)	<p>MAE < 1 dB 25 kHz to 18 MHz, except for combinations below:</p> <table border="1"> <thead> <tr> <th>Wire Type</th> <th>Length</th> <th>Tone</th> <th>Freq</th> <th>Accuracy</th> </tr> </thead> <tbody> <tr> <td>24AWG</td> <td>0-6,000 ft</td> <td>9</td> <td>38,812.50</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>24AWG</td> <td>0-6,000 ft</td> <td>17</td> <td>73,312.50</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>24AWG</td> <td>0-6,000 ft</td> <td>25</td> <td>107,812.50</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>24AWG</td> <td>0-6,000 ft</td> <td>40</td> <td>172,500.00</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>24AWG</td> <td>0-6,000 ft</td> <td>56</td> <td>241,500.00</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>24AWG</td> <td>0-6,000 ft</td> <td>64</td> <td>276000.00</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>26AWG</td> <td>0-5,000 ft</td> <td>9</td> <td>38,812.50</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>26AWG</td> <td>0-5,000 ft</td> <td>17</td> <td>73,312.50</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>26AWG</td> <td>0-5,000 ft</td> <td>25</td> <td>107,812.50</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>26AWG</td> <td>0-5,000 ft</td> <td>40</td> <td>172,500.00</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>26AWG</td> <td>0-5,000 ft</td> <td>56</td> <td>241,500.00</td> <td>+/- 0.4 dB Absolute Error</td> </tr> <tr> <td>26AWG</td> <td>0-5,000 ft</td> <td>64</td> <td>276000.00</td> <td>+/- 0.4 dB Absolute Error</td> </tr> </tbody> </table>	Wire Type	Length	Tone	Freq	Accuracy	24AWG	0-6,000 ft	9	38,812.50	+/- 0.4 dB Absolute Error	24AWG	0-6,000 ft	17	73,312.50	+/- 0.4 dB Absolute Error	24AWG	0-6,000 ft	25	107,812.50	+/- 0.4 dB Absolute Error	24AWG	0-6,000 ft	40	172,500.00	+/- 0.4 dB Absolute Error	24AWG	0-6,000 ft	56	241,500.00	+/- 0.4 dB Absolute Error	24AWG	0-6,000 ft	64	276000.00	+/- 0.4 dB Absolute Error	26AWG	0-5,000 ft	9	38,812.50	+/- 0.4 dB Absolute Error	26AWG	0-5,000 ft	17	73,312.50	+/- 0.4 dB Absolute Error	26AWG	0-5,000 ft	25	107,812.50	+/- 0.4 dB Absolute Error	26AWG	0-5,000 ft	40	172,500.00	+/- 0.4 dB Absolute Error	26AWG	0-5,000 ft	56	241,500.00	+/- 0.4 dB Absolute Error	26AWG	0-5,000 ft	64	276000.00	+/- 0.4 dB Absolute Error
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Maximum Attenuation	> 90 dB																																																																	
Impedance Accuracy	Typically +/- 10% 25 kHz to 18 MHz																																																																	
Maximum Voltage Tip – Ring	200 V																																																																	
Maximum Current	130 mA																																																																	
Connectors	4 RJ-45's on front including 2 for noise injection. 4 RJ-45's on back including 2 for noise injection.																																																																	

Specifications are subject to change without notice. Made in USA.