



Title: Low Voltage Cable

Protocol No.: KOHL'S-341-B

Test Property	Test Method	Samples	Test Principle / Requirements	Rating (Section or Exec Summary which failed items can be referenced)
---------------	-------------	---------	-------------------------------	--


<b>LABELING</b>				
Language requirement	Visual check	All	English shall be used for the text information provided with the product, such as instructions and markings.	
Labeling / Packaging Review	FPLA 16 CFR 500 & 19 CFR 134	All	Should be legibly marked with the following information: <ul style="list-style-type: none"> <li>• Distributor's name, trademark or other means of identification of the manufacturer or packer &amp; address (City, State &amp; Zip)</li> <li>• Product identification</li> <li>• Net quantity of the contents in terms of weight, measure or numerical count (Metric &amp; US Standard) or a combination so as to give accurate information and facilitate value comparison by the consumer</li> <li>• Country of origin (if imported)</li> </ul>	
Verify Label Claims	Visual Check	All	The labeling must comply and valid with all claims.	
FCC Labeling & Instructions	FCC Rules	All	Shall comply with the requirements of FCC rules.	

<b>REGULATORY &amp; STANDARD</b>				
FCC	FCC Rules	All	Valid test report shall be provided for review	
MFI Logo If applicable	MFI Program	All	<p>The use of MFI logo shall be under license of Apple Inc.</p> <p>Examples of MFI logo:</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; text-align: center;"> <p>Made for   iPhone   iPad   iPod</p> </div> <p>Product shall be listed on the website as following:  <a href="https://mfi.apple.com/MFiWeb/getAPS.action">https://mfi.apple.com/MFiWeb/getAPS.action</a></p> <p>It is acceptable if valid test report is provided for reviewing.</p>	
HDMI® If applicable	HDMI Program	All	<p>The use of HDMI® shall be under licence of HDMI Licensing, LLC.</p> <div style="text-align: center;">  </div> <p>Product shall be listed on the website as following.  <a href="http://www.hdmi.org/prodFinder/ProductSearch.aspx">http://www.hdmi.org/prodFinder/ProductSearch.aspx</a></p> <p>It is acceptable if valid test report is provided for reviewing.</p>	

Title: Low Voltage Cable

Protocol No.: KOHL'S-341-B

Test Property	Test Method	Samples	Test Principle / Requirements	Rating (Section or Exec Summary which failed items can be referenced)
---------------	-------------	---------	-------------------------------	---

USB logo If applicable	USB IF Compliance Program	All	<p>The use of USB logo shall under licence of USB IF.</p> <p>Product shall be listed on the website as following.  <a href="http://www.usb.org/kcompliance/view">http://www.usb.org/kcompliance/view</a></p> <p>Examples of USB logo:</p> 	
---------------------------	---------------------------	-----	--	--

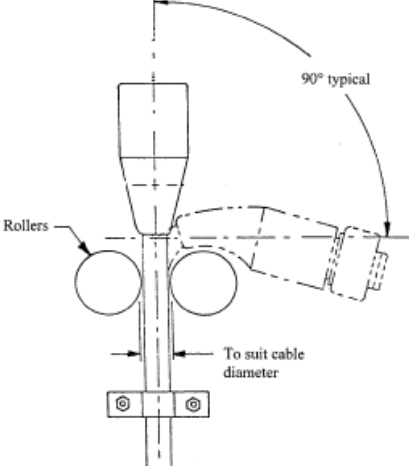
PHYSICAL CHARACTERISTICS				
Dimensions (LxWxH) (In.)	FPLA/ UPLR	1	As Claimed/ measured (+3%/ - 0%)	
Weight (Lbs.)	FPLA/ UPLR	1	As Claimed/ measured (+3%/ - 0%)	
Maximum Length of retractable cable	Actual Use	1	As Claimed/measured (+3%/-0%)	
Other Features	FPLA/ UPLR	1	As Claimed/ measured (+3%/ - 0%)	

CONSTRUCTION/WORKMANSHIP				
Kohl's Workmanship Review	Visual Check /Actual Use	1	<ul style="list-style-type: none"> <li>All components shall be provided as claimed and shall not be deformed or fractured.</li> <li>All hardware shall be provided</li> <li>All welds shall be smoothly finished and free from pits and splatter</li> <li>All components shall not contain any burrs or sharp edges (test by touch or sight)</li> <li>Product shall not contain any loose components or unsecured fastening where rigidity is required</li> </ul>	
Insertion Force and Extraction Force	In house method	1	<p>USB connector:</p> <p>The connector insertion force shall not exceed 35 N at a maximum rate of 12.5 mm (0.492") per minute.</p> <p>The connector extraction force shall not be less than 10 N initial at a maximum rate of 12.5 mm (0.492") per minute</p> <p>For Micro USB connector, the force shall not be less than 10N initial and more than 25N initial.</p>	
		1	<p>HDMI connector:</p> <p>Actual simulation for pulling and plugging the unit against receptacle. To pull and plug the connector against the receptacle which is stuck onto a horizontal plane for 100 times. After test, unit shall maintain functions without damages.</p> <p>Insertion force: Maximum 44.1N</p> <p>Withdrawal force:</p> <ul style="list-style-type: none"> <li>Type A: Minimum 9.8N &amp; Maximum 39.2N</li> <li>Type C: Minimum 7N &amp; Maximum 25N</li> <li>Type D: Minimum 5N &amp; Maximum 25N</li> </ul>	

Title: Low Voltage Cable

Protocol No.: KOHL'S-341-B

Test Property	Test Method	Samples	Test Principle / Requirements	Rating (Section or Exec Summary which failed items can be referenced)
Cable Pull-Out	EIA 364-38	1	No physical damage to the cable assembly shall occur when it is subjected to a 40 N axial load for a minimum of 1 minute while clamping one end of the cable plug.	
Durability or Insertion/Extraction Cycles	EIA 364-09	1	Should no connection issues after 200 cycles plug and unplug.	

<b>PERFORMANCE</b>				
Function	Actual Use	1	Shall function as intended.	
Cable Flexing	In house method	1	No physical damage after 200 cycles bending test, 100 cycles in each of two planes.  	

<b>ANALYTICAL</b>				
* Lead In Scrapable Surface Coating	ASTM E1613/E1645	All	≤600 ppm (0.06% by weight).	
* CA Prop 65	Refer to Protocol 1300	All	All shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	

Title: Low Voltage Cable

Protocol No.: KOHL'S-341-B

**PRICING AND ADDITIONAL NOTE:**

\*Please refer to Kohl's preferred third party labs for individual pricing

<b>Protocol Version</b>	<b>Description of Change</b>	<b>Revised by / Date</b>	<b>Approved by / Date</b>
341-A	Initial Release	Teana Robinette March 6, 2018	Teana Robinette March 6, 2018
341-B	Updated MFI logos for apple	Charlene Swanson Sept 2020	Charlene Swanson Sept 2020