cable.     Diameter (Nom.)       Construction Details     Inches       Conductor     Solid silver plated copper covered steel     .0362       Dielectric     Polytetrafluoroethylene (PTFE)     .116       Shield     Copper-tin composite braid having 100% coverage     .138       Jacket     Fluorinated ethylene propylene (FEP)     .168       Properties     Impedance     S0 ohms       Velocity of Propagation     69.5%       Capacitance     29.0 pF/ft.       Attenuation (typical)     @ 500 MHz       @ 500 MHz     8.0 dB/100 ft.       1,000 MHz     12.0 dB/100 ft.       10,000 MHz     30.0 dB/100 ft.       10,000 MHz     20,000 MHz       20,000 MHz     1000 dB/100 ft.       10,000 MHz     20,000 MHz       20,000 MHz     1,000 watts (max.)       Conductor Resistance     5.5 ohms/1,000 ft.       Shield DC Resistance     5.5 ohms/1,000 ft.       Shield DC Resistance     5.8 inch       Shield DC Resistance     5.8 inch       Weight     32 lbs/1,000 ft.	<b>50 Ohm Semi-flexible Coaxial Cable</b> Scope: This specification describes a fluoropolymer 50 ohm coaxial cable.			19-02 V Whitest	ax - East Vhiteston tone, NY	11357	Ĩ	8946 Winnetka Northridge, CA	Thermax - West 8946 Winnetka Avenue Northridge, CA 91324		
Construction Details       Inches         Conductor       Solid silver plated copper covered steel       .0352         Dielectric       Polytetrafluoroethylene (PTFE)       .116         Shield       Copper-tin composite braid having 100% coverage       .138         Jacket       Fluorinated ethylene propylene (FEP)       .168         Properties         Impedance       S0 ohms         Velocity of Propagation       69.5%         Capacitance       20.0 pF/ft.         Attenuation (typical)       (m S00 MHz         (m S00 MHz)       8.0 dB/100 ft.         1,000 MHz       12.0 dB/100 ft.         1,000 MHz       12.0 dB/100 ft.         20,000 MHz       30.0 dB/100 ft.         20,000 MHz       20.0 dB/100 ft.         20,000 MHz       10.000 Mtz         20,000 MHz       10.000 Mtz         20,000 MHz       10.000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield DC Resistance       5/8 inch         Shield DC Resistance       5/8 inch         Weight       32 lbs/1,000 ft.         Freduct Specification       Freduct Specification         670-141XE				(888) 761-7800 Fax (718) 746-4190				-4190 (800) 423-5873	Fax (818) 70	1-7964	
Conductor       Solid silver plated copper covered steel       .0362         Dielectric       Polytetrafluoroethylene (PTFE)       .116         Shield       Copper-tin composite braid having 100% coverage       .138         Jacket       Fluorinated ethylene propylene (FEP)       .168         Properties         Impedance       \$0 ohms         Velocity of Propagation       69.5%         Capacitance       29.0 pF/ft.         Attenuation (typical)       8.0 dB/100 ft.         @       \$00 MHz       12.0 dB/100 ft.         1,0000 MHz       30.0 dB/100 ft.         1,0000 MHz       20,000 MHz         20,000 MHz       20.0 dB/100 ft.         20,000 MHz       20.0 dB/100 ft.         Shield DC Resistance       20.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield DC Resistance       5/8 inch         Bend Radius (min)       5/8 inch         Weight       32 lbs/1,000 ft.         Product Specification         Revisions         Revisions         Product Specification         Revisions				Di	ameter (N	lom.)					
Dielectric       Polytetrafluoroethylene (PTFE)       116         Shield       Copper-tin composite braid having 100% coverage       1.38         Jacket       Fluorinated ethylene propylene (FEP)       1.68         Properties         Impedance       50 ohms         Velocity of Propagation       69,5%         Capacitance       29.0 pF/ft.         Attenuation (typical)       (model)         (model)       500 MHz         1,000 MHz       12.0 dB/100 ft.         1,000 MHz       30.0 dB/100 ft.         10,000 MHz       45.0 dB/100 ft.         20,000 MHz       30.0 dB/100 ft.         20,000 MHz       30.0 dB/100 ft.         20,000 MHz       10,000 nt.         20,000 MHz       10,000 nt.         20,000 MHz       1,000 mt.         20,000 MHz       1,000 nt.         Power Rating (model)       10 dB max.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs/1,000 ft.         Product Speciffactor       revisions <t< th=""><th colspan="3">Construction Details</th><th></th><th>Inches</th><th></th><th></th><th></th><th></th><th></th></t<>	Construction Details				Inches						
Shield Jacket       Copper-tin composite braid having 100% coverage Jacket       138 Floorinated ethylene propylene (FEP)         Properties       168         Impedance       50 ohms         Velocity of Propagation       69.5%         Capacitance       29.0 pF/ft.         Attenuation (typical)       8.0 dB/100 ft.         (%       500 MHz         1,000 MHz       12.0 dB/100 ft.         1,000 MHz       30.0 dB/100 ft.         1,000 MHz       10,000 MHz         20,000 MHz       70.0 dB/100 ft.         1,000 MHz       10,000 watts (max.)         20,000 MHz       1,000 watts (max.)         Conductor Resistance       5.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs/1,000 ft.         Product Specification       Revisions         Prepared by       Date	Conductor Se	Conductor Solid silver plated copper covered steel			.0362						
Jacket       Fluorinated ethylene propylene (FEP)       168         Properties       50 ohms         Impedance       50 ohms         Velocity of Propagation       69.5%         Capacitance       29.0 pF/ft.         Attenuation (typical)       8.0 dB/100 ft.         §       5,000 MHz       8.0 dB/100 ft.         1,000 MHz       12.0 dB/100 ft.         20,000 MHz       30.0 dB/100 ft.         20,000 MHz       70.0 dB/100 ft.         20,000 MHz       70.0 dB/100 ft.         20,000 MHz       1,000 watts (max.)         Conductor Resistance       5.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs./1,000 ft.         Freduct Specification       Revisions         Fermandion contained in this drawing is the prophetary property of product of reproduced or reproduced or peroduced o	Dielectric Pe	Polytetrafluoroethylene (PTFE)			.116						
Properties     50 ohms       Velocity of Propagation     69.5%       Capacitance     29.0 pF/ft.       Attenuation (typical)     8.0 dB/100 ft. <sup>©</sup> 500 MHz      1,000 MHz <sup>0</sup> 500 MHz      30.0 dB/100 ft. <sup>1</sup> 0,000 MHz      30.0 dB/100 ft. <sup>1</sup> 0,000 MHz      70.0 dB/100 ft. <sup>1</sup> 0,000 watts (max.) <sup>1</sup> Conductor Resistance <sup>1</sup> Shield Df Resistance <sup>1</sup> Midel Effectiveness (200 MHz - 18 GHz)            Bend Radius (min)            Weight <sup>1</sup> Product Specification <sup>1</sup> Product Specification <sup>1</sup> Revisions <sup>1</sup> midel release <sup>1</sup> midel release <sup>1</sup> Revisions	Shield C	Copper-tin composite braid having 100% cove			.138						
Impedance       50 ohms         Velocity of Propagation       69.5%         Capacitance       29.0 pF/ft.         Attenuation (typical)       8.0 dB/100 ft.         (*)       500 MHz         1,000 MHz       12.0 dB/100 ft.         5,000 MHz       30.0 dB/100 ft.         10,000 MHz       45.0 dB/100 ft.         20,000 MHz       70.0 dB/100 ft.         20,000 MHz       70.0 dB/100 ft.         20,000 MHz       1,000 watts (max.)         Conductor Resistance       5.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs./1,000 ft.         Non-Controlled Coppy         Product Specification         6770-141XE       Rev Instance         The information contained in this drawing is the proprietary property of the instance         Net of the proprietary property of the instance         Propared by Date Page	Jacket F	Fluorinated ethylene propylene (FEP)			.168						
Velocity of Propagation       69.5%         Capacitance       29.0 pF/ft.         Attenuation (typical)       8.0 dB/100 ft.	Properties										
Capacitance       29.0 pF/ft.         Attenuation (typical) <ul> <li>© 500 MHz</li> <li>1,000 MHz</li> <li>1,000 MHz</li> <li>12.0 dB/100 ft.</li> <li>10,000 MHz</li> <li>10,000 MHz</li> <li>20,000 MHz</li> <li>10,000 mt.</li> <li>1000 watts (max.)</li> <li>20.5 ohms/1,000 ft.</li> <li>5.5 ohms/1,000 ft.</li> <li>110 dB max.</li> <li>5/8 inch</li> <li>32 lbs./1,000 ft.</li> <li>Non-Controlled Copy</li> </ul> Preduct Specification       Revisions         670-141XE       Description         Prepared by       Date         Page       Initial release         7/13/07       Approve           10 bis drawing is the proprietary property of neat	Impedance			50 ohms							
Attenuation (typical)  (Power Rating @ 400 MHz 20,000 mHz 20,5 ohms/1,000 ft. 20,000 mHz 20,000 mLz 20,5 ohms/1,000 ft. 20,000 mLz 20,5 ohms/1,000 ft. 20,000 mHz 20,	Velocity of Propagation			69.5%							
(a)       500 MHz       8,0 dB/100 ft.         1,000 MHz       12.0 dB/100 ft.         5,000 MHz       30.0 dB/100 ft.         10,000 MHz       30.0 dB/100 ft.         20,000 MHz       70.0 dB/100 ft.         Shield DC Resistance       20.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs/1,000 ft.         Non-Controlled Copy         Product Specification         670-141XE       Description       Date       Approv         htitial release         Note used or reproduced, in whole or in part,	Capacitance			29.0 pF/ft.							
1,000 MHz 5,000 MHz 12.0 dB/100 ft. 30.0 dB/100 ft. 30.0 dB/100 ft. 30.0 dB/100 ft. 30.0 dB/100 ft. 30.0 dB/100 ft. 30.0 dB/100 ft. 1,000 wats (max.) 20.5 ohms/1,000 ft. Shield DC Resistance Shield DC Resistance Shield Effectiveness (200 MHz - 18 GHz) Bend Radius (min) Weight The information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the proprietary property of the information contained in this drawing is the properties of the property of the property of the property of the properties of th	Attenuation (typic	cal)			-						
5,000 MHz       30.0 dB/100 ft.         10,000 MHz       45.0 dB/100 ft.         20,000 MHz       70.0 dB/100 ft.         Power Rating @ 400 MHz       1,000 watts (max.)         Conductor Resistance       20.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs./1,000 ft.         Non-Controlled Copy         Product Specification         Revisions         he information contained in this drawing is the proprietary property of hermax. It may not be used or reproduced, in whole or in part,				8.0 dB/100 ft.							
10,000 MHz       45.0 dB/100 ft.         20,000 MHz       70.0 dB/100 ft.         Power Rating @ 400 MHz       1,000 watts (max.)         Conductor Resistance       20.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs./1,000 ft.         Non-Controlled Copy         Product Specification         Rev. Description         Date         Prepared by Date         Page         Prepared by Date	1,000 MHz			12.0 dB/100 ft.							
20,000 MHz       70.0 dB/100 ft.         Power Rating @ 400 MHz       1,000 watts (max.)         Conductor Resistance       20.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs./1,000 ft.         Product Specification         Revisions         he information contained in this drawing is the proprietary property of hermax. It may not be used or reproduced, in whole or in part,				30.0 dB/100 ft.							
Power Rating @ 400 MHz       1,000 watts (max.)         Conductor Resistance       20.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs./1,000 ft.         Non-Controlled Copy         Product Specification         Rev.         Description       0ate         Prepared by       Date       Page         Prepared by         Date         Prepared by         Date         Page	10,000 MHz			45.0 dB/100 ft.							
Conductor Resistance       20.5 ohms/1,000 ft.         Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs./1,000 ft.         Non-Controlled Copy         Product Specification         670-141XE       Rev.         Prepared by       Date         Prepared by       Date         Page       Prepared by	20,000 MHz			70.0 dB/100 ft.							
Shield DC Resistance       5.5 ohms/1,000 ft.         Shield Effectiveness (200 MHz - 18 GHz)       -110 dB max.         Bend Radius (min)       5/8 inch         Weight       32 lbs./1,000 ft.         Non-Controlled Copy         Product Specification         Revisions         Product Specification         Revisions         Non-Controlled Copy         Product Specification         Revisions         Non-Controlled Copy         Product Specification         Revisions         Prepared by Date         Prepared by Date         Page         Prepared by Date	Power Rating @ 400 MHz			1,000 watts (max.)							
Shield Effectiveness (200 MHz - 18 GHz) Bend Radius (min) Weight -110 dB max. 5/8 inch 32 lbs./1,000 ft. Non-Controlled Copy Product Specification 670-141XE Rev. Description Date Approv - Initial release 7/13//07 AP	Conductor Resistance										
Bend Radius (min) Weight 5/8 inch 32 lbs./1,000 ft. Non-Controlled Copy Product Specification 670-141XE Rev. Description Date Approv - Initial release 7/13/07 AP Prepared by Date Page Prepared by Date Page	Shield DC Resistance			5.5 ohms/1,000 ft.							
Weight       32 lbs./1,000 ft.       Non-Controlled Copy         Product Specification       Revisions         670-141XE       Rev.         Initial release       7/13//07         The information contained in this drawing is the proprietary property of hermax. It may not be used or reproduced, in whole or in part,       Cage Code	Shield Effectiveness (200 MHz - 18 GHz)			-110 dB max.							
Product Specification       Revisions         670-141XE       Rev.       Description       Date       Approv         he information contained in this drawing is the proprietary property of hermax. It may not be used or reproduced, in whole or in part,       Cage Code       Prepared by       Date       Page       Initial release       13/07       AP	Bend Radius (min)			5/8 inch							
Rev.     Description     Date     Approviduation       The information contained in this drawing is the proprietary property of Thermax. It may not be used or reproduced, in whole or in part,     Cage Code     Prepared by     Date     Page     Initial release     7/13//07     AP	Weight			32	2 lbs./1,00	0 ft.	N	Ion-Controlle	Controlled Copy		
O/U-141AC      Initial release     7/13//07     AP       The information contained in this drawing is the proprietary property of Thermax. It may not be used or reproduced, in whole or in part, 12914     Cage Code 12914     Prepared by     Date     Page				Prod	uct Specifica	ation		Revision	S		
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