

LOW PIM CABLES

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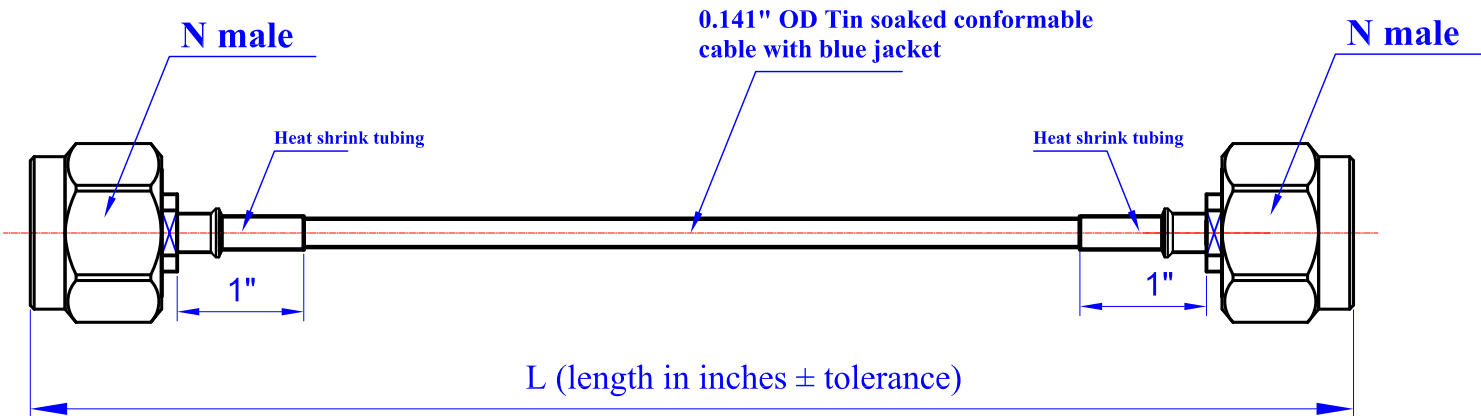
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Low PIM (Passive InterModulation) 0.141" OD Tin Soaked FEP Jacketed Conformable Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -160 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.20 : 1 up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Silver Plated Copper Size: Ø0.036"	PTFE Size: Ø0.118"	Tin Soaked Copper Braid Size: Ø0.139"	FEP Size: Ø0.163"	1.5"	34 GHz	-100 dB	-55°C - +125°C
Cable Attenuation and Power							
Frequency	500 MHz	1 GHz	2 GHz	2.5 GHz	3 GHz	5 GHz	10 GHz
Attenuation (dB/FT)	0.083 dB	0.125 dB	0.183 dB	0.210 dB	0.229 dB	0.304 dB	0.442 dB
Average Power (kW)	0.44	0.30	0.22	0.19	0.17	0.13	0.09

Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
N male connector	19 mm HEX Coupling Nut Silver Plated Brass

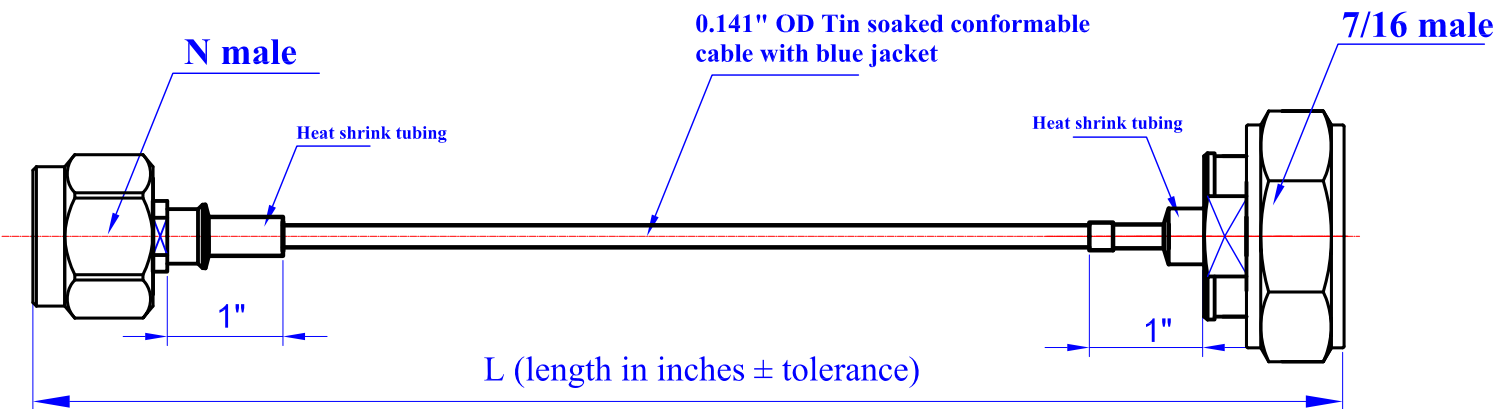
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DRAWING BY: P. Xie		DATE: 9/27/2012				
CHECKED BY: W. Lu		DATE: 9/27/2012		PART NO.		
APPROVED BY: Z. Jiang		DATE: 9/27/2012		P1LP-NP/NP-141CJ-L		



TITLE
N Male Low PIM 0.141" Conformable Cable Assembly

Low PIM (Passive InterModulation) 0.141" OD Tin Soaked FEP Jacketed Conformable Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -160 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.15 : 1 up to 3 GHz, 1.30 : 1 (3 - 4 GHz)
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Silver Plated Copper Size: Ø0.036"	PTFE Size: Ø0.118"	Tin Soaked Copper Braid Size: Ø0.139"	FEP Size: Ø0.163"	1.5"	34 GHz	-100 dB	-55°C - +125°C
Cable Attenuation and Power							
Frequency	500 MHz	1 GHz	2 GHz	2.5 GHz	3 GHz	5 GHz	10 GHz
Attenuation (dB/FT)	0.083 dB	0.125 dB	0.183 dB	0.210 dB	0.229 dB	0.304 dB	0.442 dB
Average Power (kW)	0.44	0.30	0.22	0.19	0.17	0.13	0.09

Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
N male connector	19 mm HEX Coupling Nut Silver Plated Brass
7/16 male connector	32 mm HEX Coupling Nut Silver Plated Brass

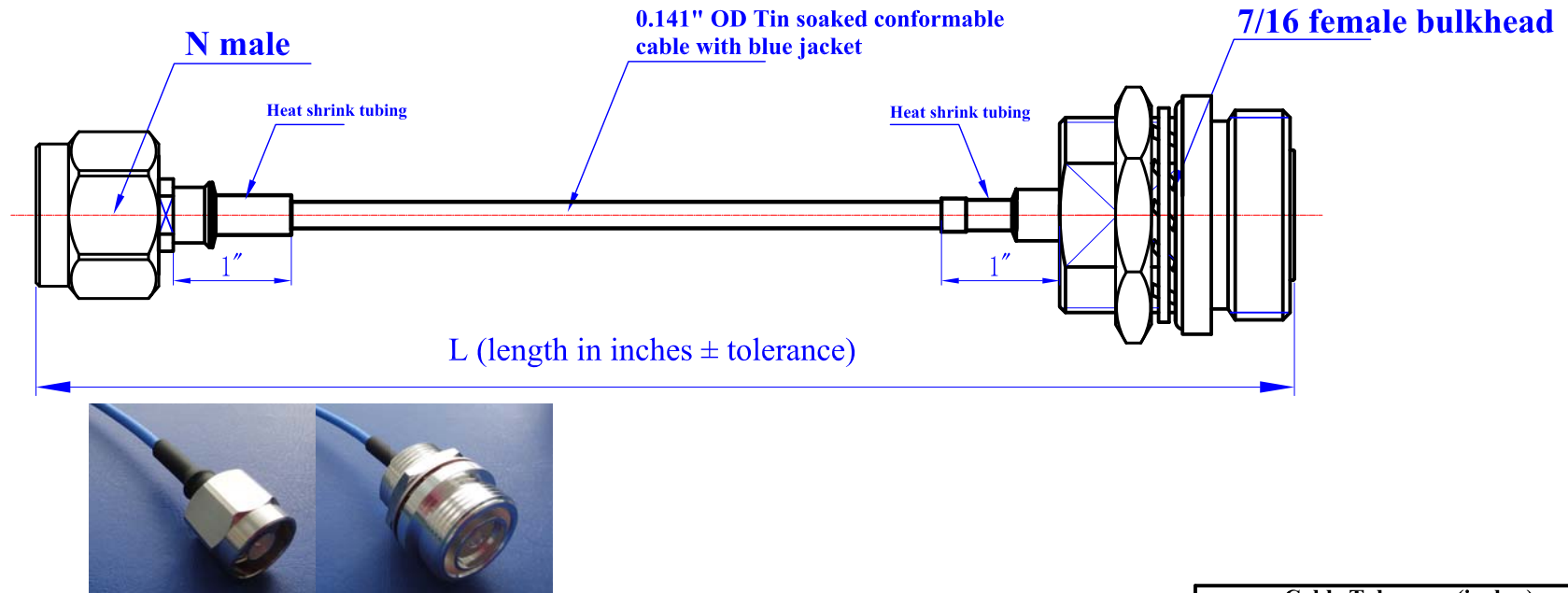
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DRAWING BY: P. Xie		DATE: 9/27/2012				
CHECKED BY: W. Lu		DATE: 9/27/2012		PART NO. P1LP-NP/716P-141CJ-L		
APPROVED BY: Z. Jiang		DATE: 9/27/2012				



TITLE
N Male, 7/16 Male Low PIM 0.141" Conformable Cable Assembly

Low PIM (Passive InterModulation) 0.141" OD Tin Soaked FEP Jacketed Conformable Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -160 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.15 : 1 up to 3 GHz, 1.30 : 1 (3 - 4 GHz)
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Silver Plated Copper Size: Ø0.036"	PTFE Size: Ø0.118"	Tin Soaked Copper Braid Size: Ø0.139"	FEP Size: Ø0.163"	1.5"	34 GHz	-100 dB	-55°C - +125°C
Cable Attenuation and Power							
Frequency	500 MHz	1 GHz	2 GHz	2.5 GHz	3 GHz	5 GHz	10 GHz
Attenuation (dB/FT)	0.083 dB	0.125 dB	0.183 dB	0.210 dB	0.229 dB	0.304 dB	0.442 dB
Average Power (kW)	0.44	0.30	0.22	0.19	0.17	0.13	0.09

Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
N male connector	19 mm HEX Coupling Nut Silver Plated Brass
7/16 female bulkhead	Silver Plated Brass

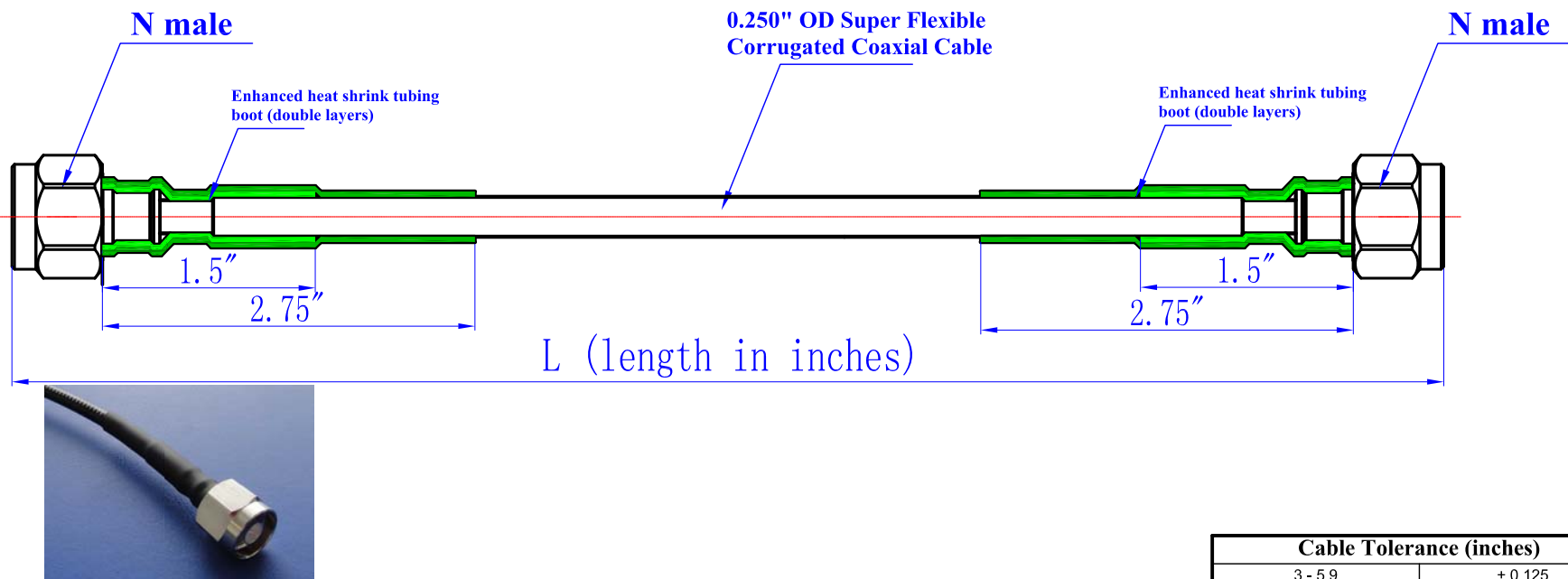
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DRAWING BY: P. Xie	DATE: 9/27/2012	
CHECKED BY: W. Lu	DATE: 9/27/2012	PART NO. P1LP-NP/716BHJ-141CJ-L
APPROVED BY: Z. Jiang	DATE: 9/27/2012	



TITLE
N Male, 7/16 Female Bulkhead Low PIM 0.141" Conformable Cable Assembly

Low PIM (Passive InterModulation) 0.250" OD Super Flexible
Test Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -168 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.25 : 1 (typical 1.20 : 1) up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Copper Clad Aluminum Size: Ø0.075"	Foam PE Size: Ø0.185"	Helically Corrugated Copper Size: Ø0.252"	PE Size: Ø0.291"	1"	20.4 GHz	-120 dB	-40 °C - +80 °C
Cable Attenuation and Power							
Frequency	450 MHz	1 GHz	1.8 GHz	2.3 GHz	3 GHz	3.5 GHz	4 GHz
Attenuation (dB/FT)	0.04 dB	0.06 dB	0.08 dB	0.094 dB	0.109 dB	0.119 dB	0.126 dB
Power at 20°C(kW)	0.567	0.372	0.271	0.237	0.204	0.180	0.170

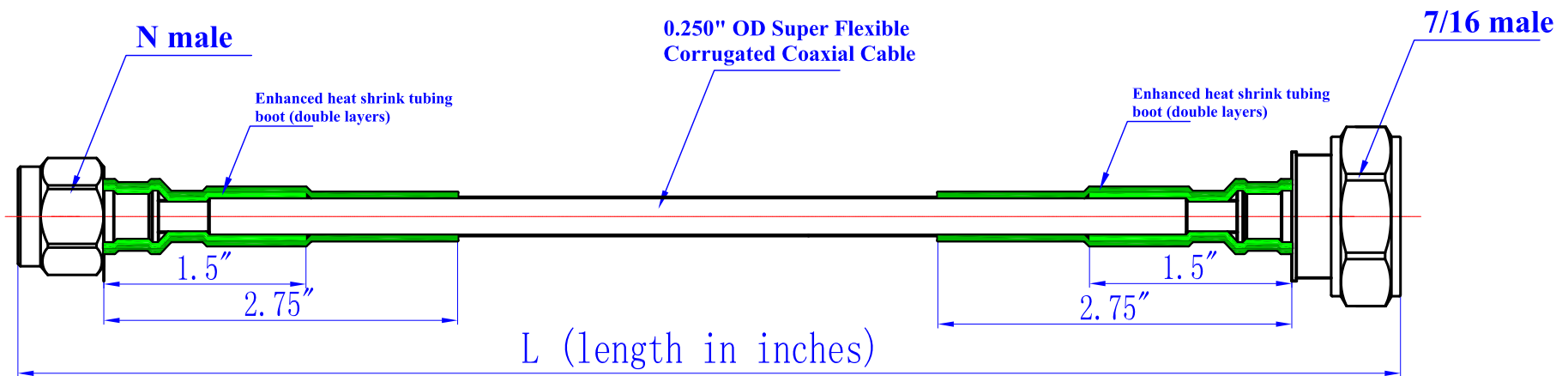
Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
N male connector	19 mm HEX Coupling Nut Silver Plated Brass

				SIZE A	SCALE NO	UNLESS OTHERWISE SPECIFIED TOLERANCES: .XX = .XXX = DIMENSIONS ARE IN INCHES
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DRAWING BY: P. Xie		DATE: 4/27/2013				
CHECKED BY: W. Lu		DATE: 4/27/2013		PART NO. P1LP-NP/NP-250SFCC-L		
APPROVED BY: Z. Jiang		DATE: 4/27/2013				

		TITLE N Male Low PIM Flexible Test Cable Assembly

Low PIM (Passive InterModulation) 0.250" OD Super Flexible Test Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -168 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.25 : 1 (typical 1.20 : 1) up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Copper Clad Aluminum Size: Ø0.075"	Foam PE Size: Ø0.185"	Helically Corrugated Copper Size: Ø0.252"	PE Size: Ø0.291"	1"	20.4 GHz	-120 dB	-40 °C - +80 °C
Cable Attenuation and Power							
Frequency	450 MHz	1 GHz	1.8 GHz	2.3 GHz	3 GHz	3.5 GHz	4 GHz
Attenuation (dB/FT)	0.04 dB	0.06 dB	0.08 dB	0.094 dB	0.109 dB	0.119 dB	0.126 dB
Power at 20°C(kW)	0.567	0.372	0.271	0.237	0.204	0.180	0.170

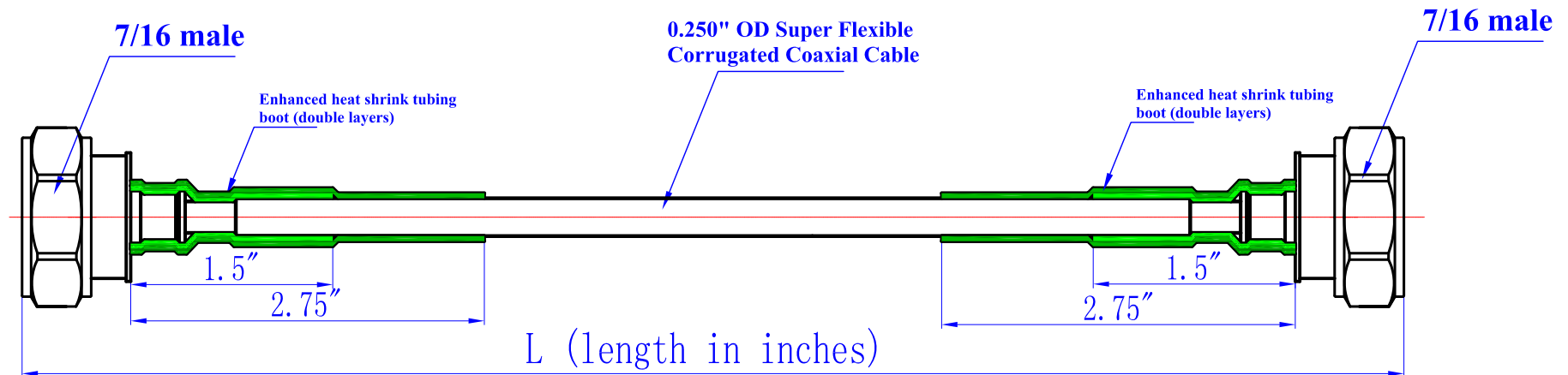
Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
N male connector	19 mm HEX Coupling Nut Silver Plated Brass
7/16 male connector	32 mm HEX Coupling Nut Silver Plated Connector Body

			SIZE A	SCALE NO	UNLESS OTHERWISE SPECIFIED TOLERANCES: .XXX = .XXX = DIMENSIONS ARE IN INCHES
			REV. A	SHEET 1/1	
DRAWING BY:	P. Xie	DATE:	4/27/2013		
CHECKED BY:	W. Lu	DATE:	4/27/2013	PART NO.	
APPROVED BY:	Z. Jiang	DATE:	4/27/2013	PILP-NP/716P-250SFCC-L	

		TITLE
N Male, 7/16 Male Low PIM Flexible Test Cable Assembly		

Low PIM (Passive InterModulation) 0.250" OD Super Flexible Test Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -168 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.25 : 1 (typical 1.20 : 1) up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



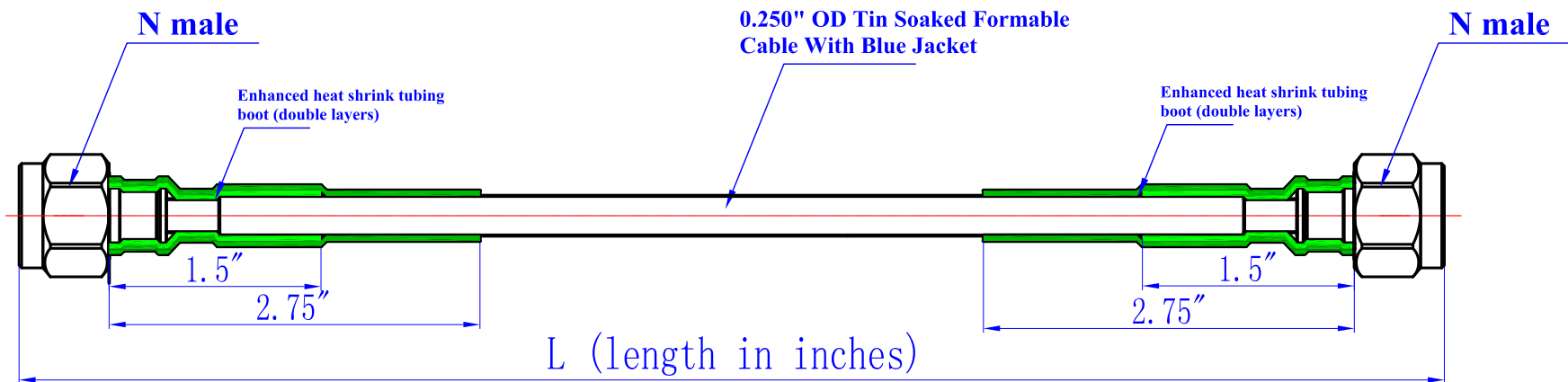
Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Copper Clad Aluminum Size: Ø0.075"	Foam PE Size: Ø0.185"	Helically Corrugated Copper Size: Ø0.252"	PE Size: Ø0.291"	1"	20.4 GHz	-120 dB	-40 °C - +80 °C
Cable Attenuation and Power							
Frequency	450 MHz	1 GHz	1.8 GHz	2.3 GHz	3 GHz	3.5 GHz	4 GHz
Attenuation (dB/FT)	0.04 dB	0.06 dB	0.08 dB	0.094 dB	0.109 dB	0.119 dB	0.126 dB
Power at 20°C(kW)	0.567	0.372	0.271	0.237	0.204	0.180	0.170

Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
7/16 male connector	32 mm HEX Coupling Nut Silver Plated Connector Body

		SIZE A		SCALE NO		UNLESS OTHERWISE SPECIFIED TOLERANCES: .XX = .XXX = DIMENSIONS ARE IN INCHES			
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DRAWING BY:	P. Xie	DATE:	4/27/2013		PART NO. P1LP-716P/716P-250SFCC-L			TITLE 7/16 Male Low PIM Flexible Test Cable Assembly	
CHECKED BY:	W. Lu	DATE:	4/27/2013						
APPROVED BY:	Z. Jiang	DATE:	4/27/2013						

Low PIM (Passive InterModulation) 0.250" OD Tin Soaked FEP Jacketed Formable Test Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -168 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.25 : 1 (typical 1.20 : 1) up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Silver Plated Copper Size: Ø0.065"	PTFE Size: Ø0.209"	Tin Soaked Copper Braid Size: Ø0.240"	FEP Size: Ø0.276"	5"	18 GHz	-100 dB	-55°C - +125°C
Cable Attenuation and Power							
Frequency	500 MHz	1 GHz	5 GHz	10 GHz	18 GHz		
Attenuation (dB/FT)	0.05 dB	0.08 dB	0.19 dB	0.30 dB	0.45 dB		
Power at 20°C(kW)	2	1.5	0.6	0.35	0.25		

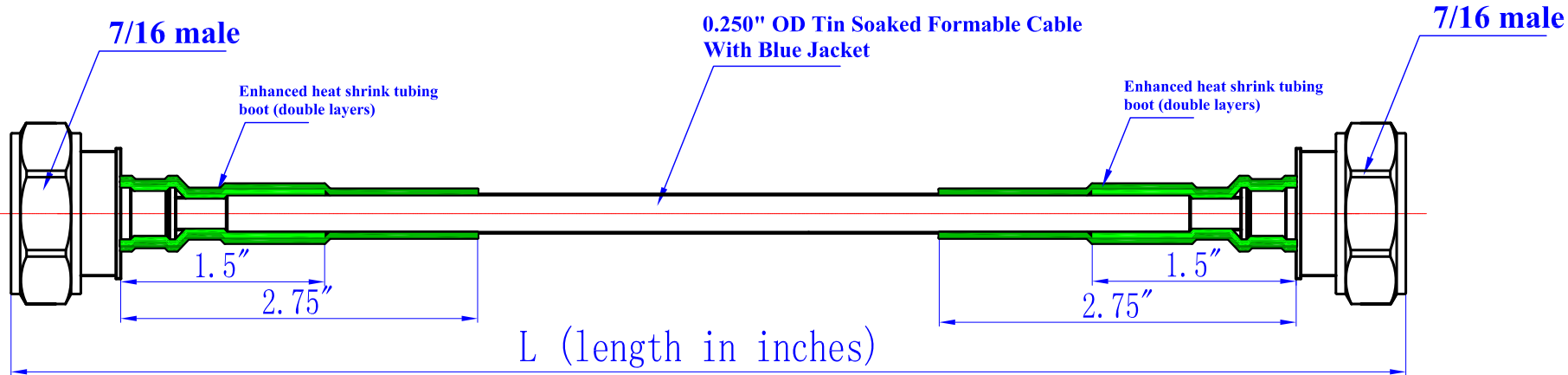
Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
N male connector	19 mm HEX Coupling Nut Silver Plated Connector Body

				SIZE A	SCALE NO	UNLESS OTHERWISE SPECIFIED TOLERANCES: XX = XXX = DIMENSIONS ARE IN INCHES
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DRAWING BY: P. Xie		DATE: 4/27/2013				
CHECKED BY: W. Lu		DATE: 4/27/2013		PART NO. P1LP-NP/NP-250CJ-L		
APPROVED BY: Z. Jiang		DATE: 4/27/2013				

	
TITLE	
N Male Low PIM Formable Test Cable Assembly	

Low PIM (Passive InterModulation) 0.250" OD Tin Soaked FEP
Jacketed Formable Test Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -168 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.25 : 1 (typical 1.20 : 1) up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Silver Plated Copper Size: Ø0.065"	PTFE Size: Ø0.209"	Tin Soaked Copper Braid Size: Ø0.240"	FEP Size: Ø0.276"	5"	18 GHz	-100 dB	-55°C - +125°C
Cable Attenuation and Power							
Frequency	500 MHz	1 GHz	5 GHz	10 GHz	18 GHz		
Attenuation (dB/FT)	0.05 dB	0.08 dB	0.19 dB	0.30 dB	0.45 dB		
Power at 20°C(kW)	2	1.5	0.6	0.35	0.25		

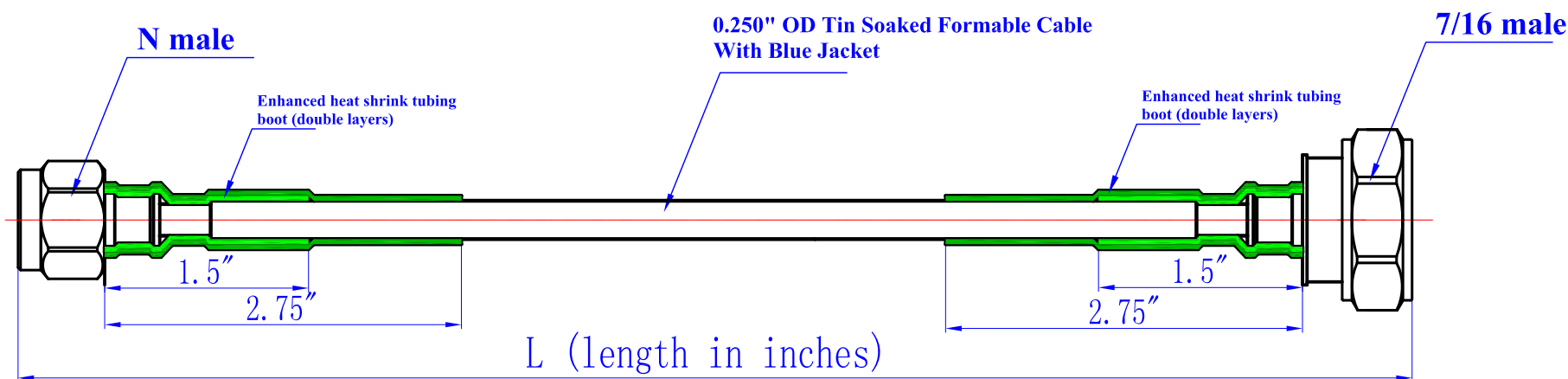
Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
7/16 male connector	32 mm HEX Coupling Nut Silver Plated Connector Body

		SIZE A	SCALE NO	UNLESS OTHERWISE SPECIFIED TOLERANCES: .XX = .XXX = DIMENSIONS ARE IN INCHES
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DRAWING BY:	P. Xie	DATE: 4/27/2013		
CHECKED BY:	W. Lu	DATE: 4/27/2013		PART NO.
APPROVED BY:	Z. Jiang	DATE: 4/27/2013		P1LP-716P/716P-250CJ-L

TITLE	
7/16 Male Low PIM Formable Test Cable Assembly	

Low PIM (Passive InterModulation) 0.250" OD Tin Soaked FEP
Jacketed Formable Test Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -168 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.25 : 1 (typical 1.20 : 1) up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



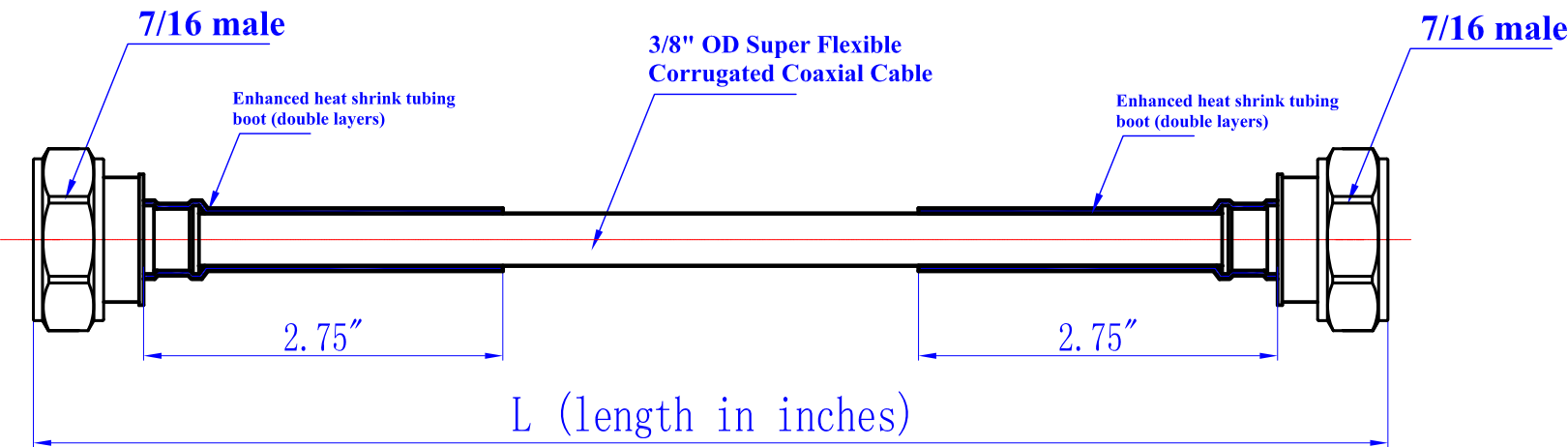
Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Silver Plated Copper Size: Ø0.065"	PTFE Size: Ø0.209"	Tin Soaked Copper Braid Size: Ø0.240"	FEP Size: Ø0.276"	5"	18 GHz	-100 dB	-55°C - +125°C
Cable Attenuation and Power							
Frequency	500 MHz	1 GHz	5 GHz	10 GHz	18 GHz		
Attenuation (dB/FT)	0.05 dB	0.08 dB	0.19 dB	0.30 dB	0.45 dB		
Power at 20°C(kW)	2	1.5	0.6	0.35	0.25		

Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
N male connector	19 mm HEX Coupling Nut Silver Plated Connector Body
7/16 male connector	32 mm HEX Coupling Nut Silver Plated Connector Body

		SIZE A		SCALE NO		UNLESS OTHERWISE SPECIFIED TOLERANCES: .XX = .XXX = DIMENSIONS ARE IN INCHES		
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DRAWING BY: P. Xie		DATE: 4/27/2013		PART NO. P1LP-NP/716P-250CJ-L		TITLE		
CHECKED BY: W. Lu		DATE: 4/27/2013				N Male, 7/16 Male Low PIM Formable Test Cable Assembly		
APPROVED BY: Z. Jiang		DATE: 4/27/2013						

Low PIM (Passive InterModultion) 3/8" OD Super Flexible Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -160 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.25 : 1 (typical 1.20 : 1) up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Copper Clad Aluminum Size: Ø1.10"	Foam PE Size: Ø0.276"	Helically Corrugated Copper Size: Ø0.375"	PE Size: Ø0.425"	2"	10.2 GHz	-120 dB	-40 °C - +80 °C
Cable Attenuation and Power							
Frequency	450 MHz	1 GHz	1.8 GHz	2.3 GHz	3 GHz	3.5 GHz	4 GHz
Attenuation (dB/FT)	0.03 dB	0.04 dB	0.06 dB	0.065 dB	0.075 dB	0.082 dB	0.088 dB
Power at 20°C(kW)	0.975	0.634	0.457	0.398	0.342	0.305	0.282

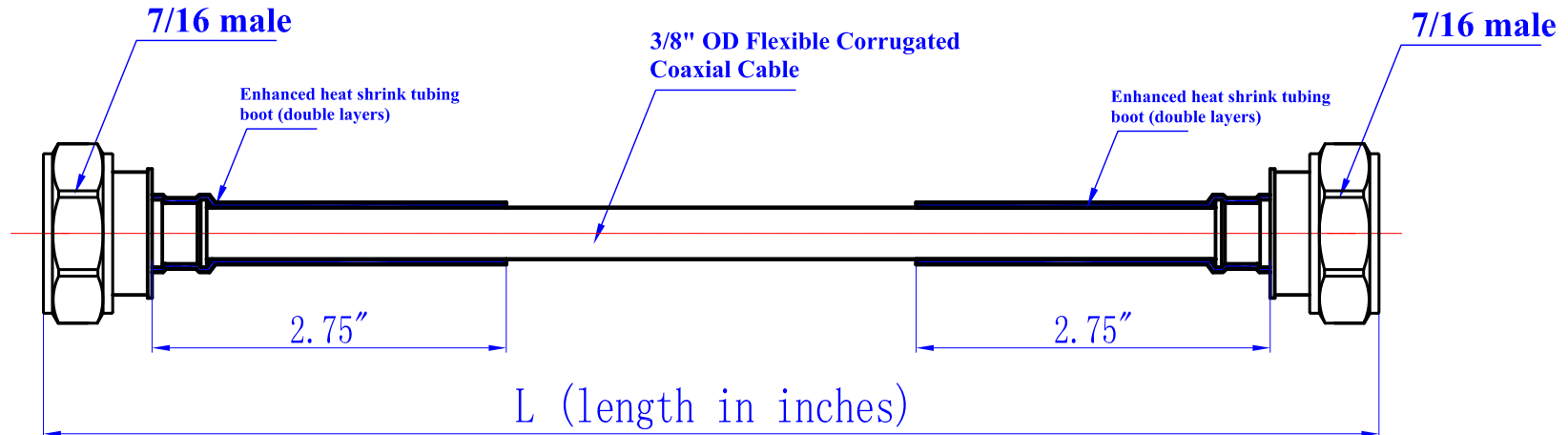
Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
7/16 male connector	32 mm HEX Coupling Nut Silver Plated Connector Body

				SIZE A	SCALE NO	UNLESS OTHERWISE SPECIFIED TOLERANCES: .XX = .XXX = DIMENSIONS ARE IN INCHES
DRAWING BY: P. Xie		DATE: 4/27/2013		REV. A	SHEET 1/1	
CHECKED BY: W. Lu		DATE: 4/27/2013		PART NO.		
APPROVED BY: Z. Jiang		DATE: 4/27/2013		P1LP-716P/716P-375SFCC-L		

TITLE 7/16 Male Low PIM 3/8" Super Flexible Corrugated Cable Assembly	

Low PIM (Passive InterModulation) 3/8" OD Flexible Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -160 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.25 : 1 (typical 1.20 : 1) up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



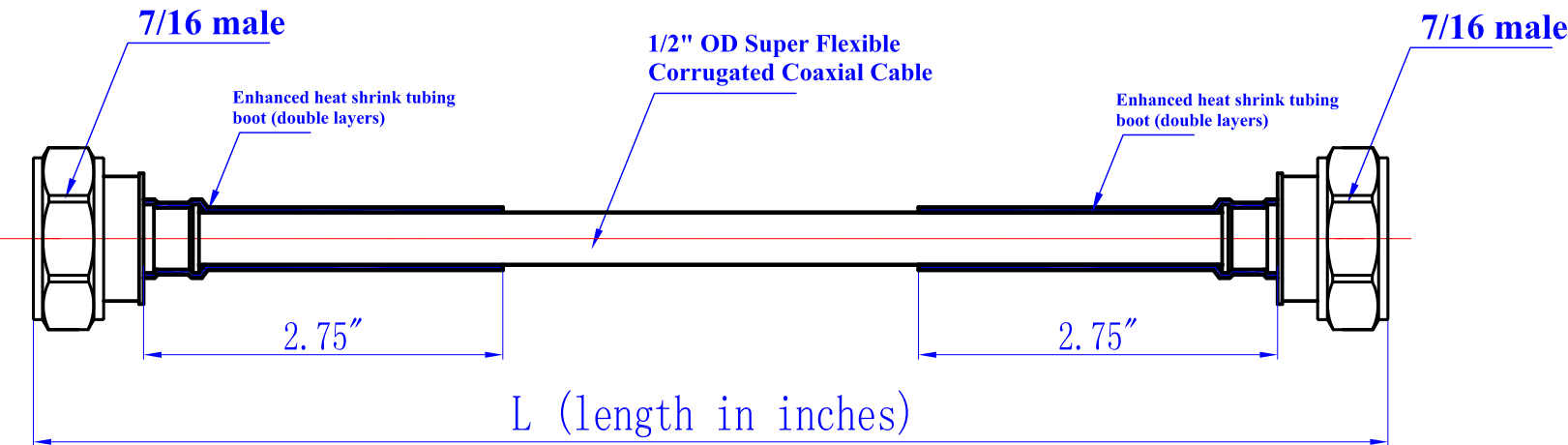
Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Copper Clad Aluminum Size: Ø124"	Foam PE Size: Ø0.323"	Ring Corrugated Copper Size: Ø0.375"	PE Size: Ø0.441"	4"	13.5 GHz	-120 dB	-40 °C - +80 °C
Cable Attenuation and Power							
Frequency	450 MHz	1 GHz	1.8 GHz	2.5 GHz	3 GHz	3.5 GHz	4 GHz
Attenuation (dB/FT)	0.02 dB	0.04 dB	0.05 dB	0.06 dB	0.07 dB	0.072 dB	0.08 dB
Power at 20°C(kW)	1.02	0.663	0.479	0.400	0.358	0.315	0.295

Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
7/16 male connector	32 mm HEX Coupling Nut Silver Plated Connector Body

			SIZE A	SCALE NO	UNLESS OTHERWISE SPECIFIED TOLERANCES: XX = XXX = DIMENSIONS ARE IN INCHES			
			REV. A	SHEET 1/1				
DRAWING BY:	P. Xie	DATE:	4/27/2013				PART NO. P1LP-716P/716P-375FCC-L	TITLE 7/16 Male Low PIM 3/8" Flexible Corrugated Cable Assembly
CHECKED BY:	W. Lu	DATE:	4/27/2013					
APPROVED BY:	Z. Jiang	DATE:	4/27/2013					

Low PIM (Passive InterModulation) 1/2" OD Super Flexible Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -160 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.25 : 1 (typical 1.20 : 1) up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Copper Clad Aluminum Size: Ø0.141"	Foam PE Size: Ø0.362"	Helically Corrugated Copper Size: Ø0.472"	PE Size: Ø0.535"	1.2"	10.2 GHz	-120 dB	-40 °C - +80 °C
Cable Attenuation and Power							
Frequency	450 MHz	1 GHz	1.8 GHz	2.3 GHz	3 GHz	3.5 GHz	4 GHz
Attenuation (dB/FT)	0.02 dB	0.04 dB	0.05 dB	0.06 dB	0.07 dB	0.075 dB	0.08 dB
Power at 20°C(kW)	1.38	0.889	0.634	0.549	0.469	0.415	0.395

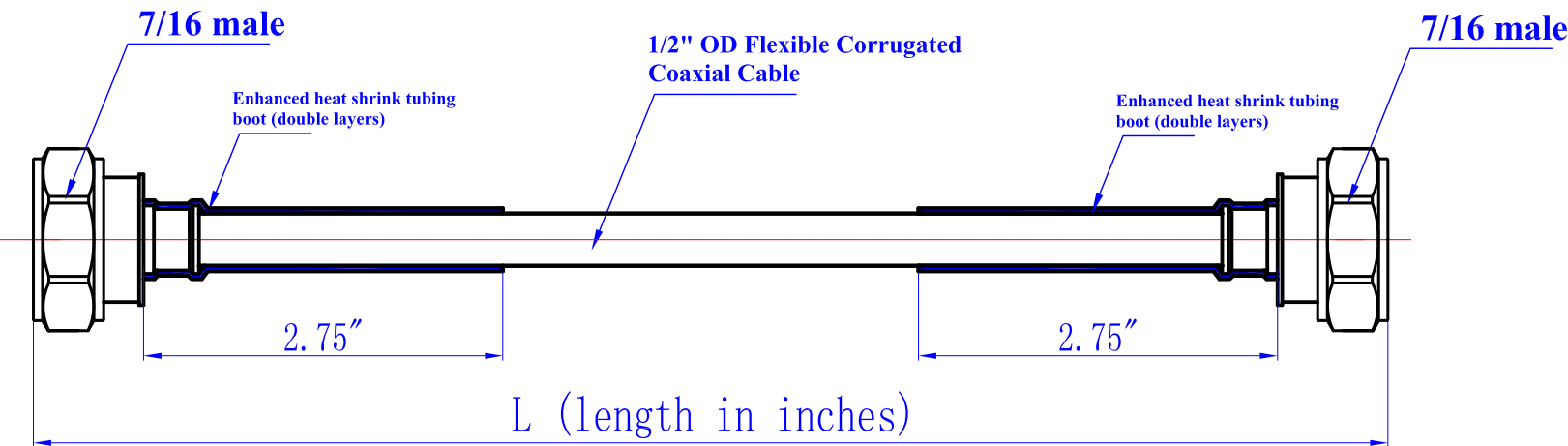
Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
7/16 male connector	32 mm HEX Coupling Nut Silver Plated Connector Body

		SIZE A	SCALE NO	UNLESS OTHERWISE SPECIFIED TOLERANCES: .XX = .XXX = DIMENSIONS ARE IN INCHES
		REV. A	SHEET 1/1	
DRAWING BY:	P. Xie	DATE:		4/27/2013
CHECKED BY:	W. Lu	DATE:		4/27/2013
APPROVED BY:	Z. Jiang	DATE:		4/27/2013
		PART NO. PILP-716P/716P-500SFCC-L		

	
TITLE 7/16 Male Low PIM 1/2" Super Flexible Corrugated Cable Assembly	

Low PIM (Passive InterModultion) 1/2" OD Flexible Cable Assembly:

- * 100% "go/no-go" PIM tested, max.: -160 dBc (condition: 43 dBm per tone at 1800 MHz)
- * 100% VSWR max.: 1.25 : 1 (typical 1.20 : 1) up to 4 GHz
- * 100% High Voltage Tested at 500 volts
- * RoHS compliant



Cable Material Information							
Inner Conductor	Insulation	Outer Conductor	Jacket	min. Bending Radius	Cut-off Frequency	RF Shielding Effectiveness	Operation Temperature
Copper Clad Aluminum Size: Ø0.189"	Foam PE Size: Ø0.480"	Ring Corrugated Copper Size: Ø0.543"	PE Size: Ø0.622"	5"	8.8 GHz	-120 dB	-40 °C - +80 °C
Cable Attenuation and Power							
Frequency	450 MHz	1 GHz	1.8 GHz	2.3 GHz	3 GHz	3.5 GHz	4 GHz
Attenuation (dB/FT)	0.01 dB	0.02 dB	0.03 dB	0.035 dB	0.041 dB	0.044 dB	0.048 dB
Power at 20°C(kW)	1.59	1.04	0.753	0.627	0.565	0.525	0.495

Cable Tolerance (inches)	
3 - 5.9	± 0.125
6 - 11.9	± 0.187
12 - 17.9	± 0.187
18 - 23.9	± 0.250
24 - 29.9	± 0.313
30 - 36	± 0.313
Connector Information	
7/16 male connector	32 mm HEX Coupling Nut Silver Plated Connector Body

		SIZE A		SCALE NO		UNLESS OTHERWISE SPECIFIED TOLERANCES: .XX = .XXX = DIMENSIONS ARE IN INCHES	
		REV. A		SHEET 1/1			
DRAWING BY: P. Xie		DATE: 4/27/2013		PART NO. P1LP-716P/716P-500FCC-L			TITLE 7/16 Male Low PIM 1/2" Flexible Corrugated Cable Assembly
CHECKED BY: W. Lu		DATE: 4/27/2013					
APPROVED BY: Z. Jiang		DATE: 4/27/2013					