



National Standard Parts Associates, Inc.

# ElektraLink - LEAD FREE

## Ring Terminals

7/27/2015



**NOTES:**

**BARE PART**

1. MATERIAL: COPPER
2. FINISH: ELECTRO-TIN PLATE

**SOLDER**

1. 42SN / 58BI
2. 2-3% RMA FLUX COATING
3. 280° F (138° C) MELTING TEMPERATURE

**TUBING**

1. MULTIPLE WALL POLYOLEFIN
2. MELTABLE, INTEGRAL INNER WALL
3. 275° F (135° C) SHRINK TEMPERATURE
4. -67° F (-55° C) TO 230° F (110° C)  
CONTINUOUS OPERATING TEMP.
5. TENSILE STRENGTH: 2200 PSI
6. ULTIMATE ELONGATION: 400%
7. SECANT MODULUS, 2%: 27,000 PSI
8. SPECIFIC GRAVITY: 1.0
9. LONGITUDINAL CHANGE: +1, -10%
10. DIELECTRIC STRENGTH: 900 V/MIL
11. VOLUME RESISTIVITY: 10<sup>15</sup> OHM-CM
12. NON-CORROSIVE
13. WATER ABSORBTION: 0.1%



Part #	AWG	Stud Size	Tubing Color	Tubing ID	Overall Length		Pad Width (+/- .05)
					Minimum	Maximum	
ELF120-02X	22-24	# 2	Clear	.150	0.717	0.929	0.20
ELF120-04X	22-24	# 4	Clear	.150	0.727	0.929	0.20
ELF120-06X	22-24	# 6	Clear	.150	0.765	0.971	0.24
ELF116-06X	18-22	# 6	Red	.227	1.236	1.670	0.35
ELF116-08X	18-22	# 8	Red	.227	1.236	1.670	0.35
ELF116-10X	18-22	# 10	Red	.227	1.255	1.670	0.35
ELF116-14X	18-22	1/4"	Red	.227	1.436	1.848	0.55
ELF116-516X	18-22	5/16"	Red	.227	1.445	1.848	0.55
ELF116-38X	18-22	3/8"	Red	.227	1.578	2.006	0.69
ELF114-06X	14-16	# 6	Blue	.255	1.236	1.670	0.35
ELF114-08X	14-16	# 8	Blue	.255	1.236	1.670	0.35
ELF114-10X	14-16	# 10	Blue	.255	1.255	1.670	0.35
ELF114-14X	14-16	1/4"	Blue	.255	1.436	1.848	0.55
ELF114-516X	14-16	5/16"	Blue	.255	1.445	1.848	0.55
ELF114-38X	14-16	3/8"	Blue	.255	1.578	2.006	0.69
ELF110-10X	10-12	# 10	Yellow	.320	1.227	1.638	0.35
ELF110-14X	10-12	1/4"	Yellow	.320	1.388	1.848	0.55
ELF110-516X	10-12	5/16"	Yellow	.320	1.417	1.817	0.55
ELF110-38X	10-12	3/8"	Yellow	.320	1.540	1.995	0.69
ELF110-12X	10-12	1/2"	Yellow	.320	1.597	2.016	0.69

All dimensions are measured in inches except where noted.

Reviewed & Approved By:

Brad Price  
VP, Operations



National Standard Parts Associates, Inc.

# ElektraLink - LEAD FREE

## Spade Terminals

7/27/2015



**NOTES:**

**BARE PART**

1. MATERIAL: COPPER
2. FINISH: ELECTRO-TIN PLATE

**SOLDER**

1. 42SN / 58BI
2. 2-3% RMA FLUX COATING
3. 280° F (138° C) MELTING TEMPERATURE

**TUBING**

1. MULTIPLE WALL POLYOLEFIN
2. MELTABLE, INTEGRAL INNER WALL
3. 275° F (135° C) SHRINK TEMPERATURE
4. -67° F (-55° C) TO 230° F (110° C) CONTINUOUS OPERATING TEMP.
5. TENSILE STRENGTH: 2200 PSI
6. ULTIMATE ELONGATION: 400%
7. SECANT MODULUS, 2%: 27,000 PSI
8. SPECIFIC GRAVITY: 1.0
9. LONGITUDINAL CHANGE: +1, -10%
10. DIELECTRIC STRENGTH: 900 V/MIL
11. VOLUME RESISTIVITY: 10<sup>15</sup> OHM-CM
12. NON-CORROSIVE
13. WATER ABSORPTION: 0.1%



Part #	AWG	Stud Size	Tubing Color	Tubing ID	Overall Length		Pad Width (+/- .05)
					Minimum	Maximum	
ELF220-02X	22-24	# 2	Clear	.150	0.717	0.929	0.20
ELF220-04X	22-24	# 4	Clear	.150	0.727	0.929	0.20
ELF220-06X	22-24	# 6	Clear	.150	0.736	0.929	0.24
ELF216-10X	18-22	# 10	Red	.227	1.189	1.638	0.35
ELF214-10X	14-16	# 10	Blue	.255	1.189	1.638	0.35
ELF210-10X	10-12	# 10	Yellow	.320	1.208	1.617	0.35

All dimensions are measured in inches except where noted.

Reviewed & Approved By:

Brad Price  
VP, Operations



National Standard Parts Associates, Inc.

# ElektraLink - LEAD FREE

## Butt Connectors

7/27/2015



### NOTES:

#### SOLDER

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#### TUBING

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3. 275° F (135° C) SHRINK TEMPERATURE
4. -67° F (-55° C) TO 230° F (110° C)  
CONTINUOUS OPERATING TEMP.
5. TENSILE STRENGTH: 2200 PSI
6. ULTIMATE ELONGATION: 400%
7. SECANT MODULUS, 2%: 27,000 PSI
8. SPECIFIC GRAVITY: 1.0
9. LONGITUDINAL CHANGE: +1, -10%
10. DIELECTRIC STRENGTH: 900 V/MIL
11. VOLUME RESISTIVITY: 10<sup>15</sup> OHM-CM
12. NON-CORROSIVE
13. WATER ABSORPTION: 0.1%



Part #	AWG	Tubing Color	Tubing ID	Overall Length	
				Minimum	Maximum
ELF5-20	22-24	Clear	.125	0.875	1.082
ELF5-16	18-22	Red	.227	1.327	1.607
ELF5-14	14-16	Blue	.255	1.327	1.607
ELF5-10	10-12	Yellow	.320	1.327	1.607
ELF5-08	8	Pink	.330	1.643	1.974

All dimensions are measured in inches except where noted.

Reviewed & Approved By:

Brad Price  
VP, Operations



National Standard Parts Associates, Inc.

# ElektraLink - LEAD FREE

## Females

7/27/2015



### NOTES:

#### BARE PART

1. MATERIAL: BRASS
2. FINISH: ELECTRO-TIN PLATE

#### SOLDER

1. 42SN / 58BI
2. 2-3% RMA FLUX COATING
3. 280° F (138° C) MELTING TEMPERATURE

#### TUBING

1. MULTIPLE WALL POLYOLEFIN
2. MELTABLE, INTEGRAL INNER WALL
3. 275° F (135° C) SHRINK TEMPERATURE
4. -67° F (-55° C) TO 230° F (110° C)  
CONTINUOUS OPERATING TEMP.
5. TENSILE STRENGTH: 2200 PSI
6. ULTIMATE ELONGATION: 400%
7. SECANT MODULUS, 2%: 27,000 PSI
8. SPECIFIC GRAVITY: 1.0
9. LONGITUDINAL CHANGE: +1, -10%
10. DIELECTRIC STRENGTH: 900 V/MIL
11. VOLUME RESISTIVITY: 10<sup>15</sup> OHM-CM
12. NON-CORROSIVE
13. WATER ABSORPTION: 0.1%



Part #	AWG	Tab Size	Tubing Color	Tubing ID	Overall Length	
					Minimum	Maximum
ELF6-18F	18-22	.250	Red	.227	1.227	1.607
ELF6-14F	14-16	.250	Blue	.255	1.227	1.607
ELF6-10F	10-12	.250	Yellow	.320	1.227	1.607

All dimensions are measured in inches except where noted.

Reviewed & Approved By:

Brad Price  
VP, Operations



National Standard Parts Associates, Inc.

# ElektraLink - LEAD FREE

Males

7/27/2015



**NOTES:**

**BARE PART**

- 1. MATERIAL: COPPER
- 2. FINISH: ELECTRO-TIN PLATE

**SOLDER**

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- 2. 2-3% RMA FLUX COATING
- 3. 280° F (138° C) MELTING TEMPERATURE

**TUBING**

- 1. MULTIPLE WALL POLYOLEFIN
- 2. MELTABLE, INTEGRAL INNER WALL
- 3. 275° F (135° C) SHRINK TEMPERATURE
- 4. -67° F (-55° C) TO 230° F (110° C) CONTINUOUS OPERATING TEMP.
- 5. TENSILE STRENGTH: 2200 PSI
- 6. ULTIMATE ELONGATION: 400%
- 7. SECANT MODULUS, 2%: 27,000 PSI
- 8. SPECIFIC GRAVITY: 1.0
- 9. LONGITUDINAL CHANGE: +1, -10%
- 10. DIELECTRIC STRENGTH: 900 V/MIL
- 11. VOLUME RESISTIVITY: 10<sup>12</sup> OHM-CM
- 12. NON-CORROSIVE
- 13. WATER ABSORPTION: 0.1%



Part #	AWG	Tab Size	Tubing Color	Tubing ID	L	
					Minimum	Maximum
ELF6-18M	18-22	.250	Red	.227	1.227	1.575
ELF6-14M	14-16	.250	Blue	.255	1.227	1.575
ELF6-10M	10-12	.250	Yellow	.320	1.227	1.575

All dimensions are measured in inches except where noted.

Reviewed & Approved By:

Brad Price  
VP, Operations



National Standard Parts Associates, Inc.

# ElektraLink - LEAD FREE

## Fully Insulated Females

7/27/2015



**NOTES:**

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**SOLDER**

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2. 2-3% RMA FLUX COATING
3. 280° F (138° C) MELTING TEMPERATURE

**TUBING**

1. MULTIPLE WALL POLYOLEFIN
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3. 275° F (135° C) SHRINK TEMPERATURE
4. -67° F (-55° C) TO 230° F (110° C) CONTINUOUS OPERATING TEMP.
5. TENSILE STRENGTH: 2200 PSI
6. ULTIMATE ELONGATION: 400%
7. SECANT MODULUS, 2%: 27,000 PSI
8. SPECIFIC GRAVITY: 1.0
9. LONGITUDINAL CHANGE: +1, -10%
10. DIELECTRIC STRENGTH: 900 V/MIL
11. VOLUME RESISTIVITY: 10<sup>12</sup> OHM-CM
12. NON-CORROSIVE
13. WATER ABSORPTION: 0.1%



Part #	AWG	Tab Size	Tubing Color	Tubing ID	L	
					Minimum	Maximum
ELF6-18FF	18-22	.250	Red	.250	1.327	1.659
ELF6-14FF	14-16	.250	Blue	.250	1.327	1.659
ELF6-10FF	10-12	.250	Yellow	.305	1.327	1.659

All dimensions are measured in inches except where noted.

Reviewed & Approved By:

Brad Price  
VP, Operations