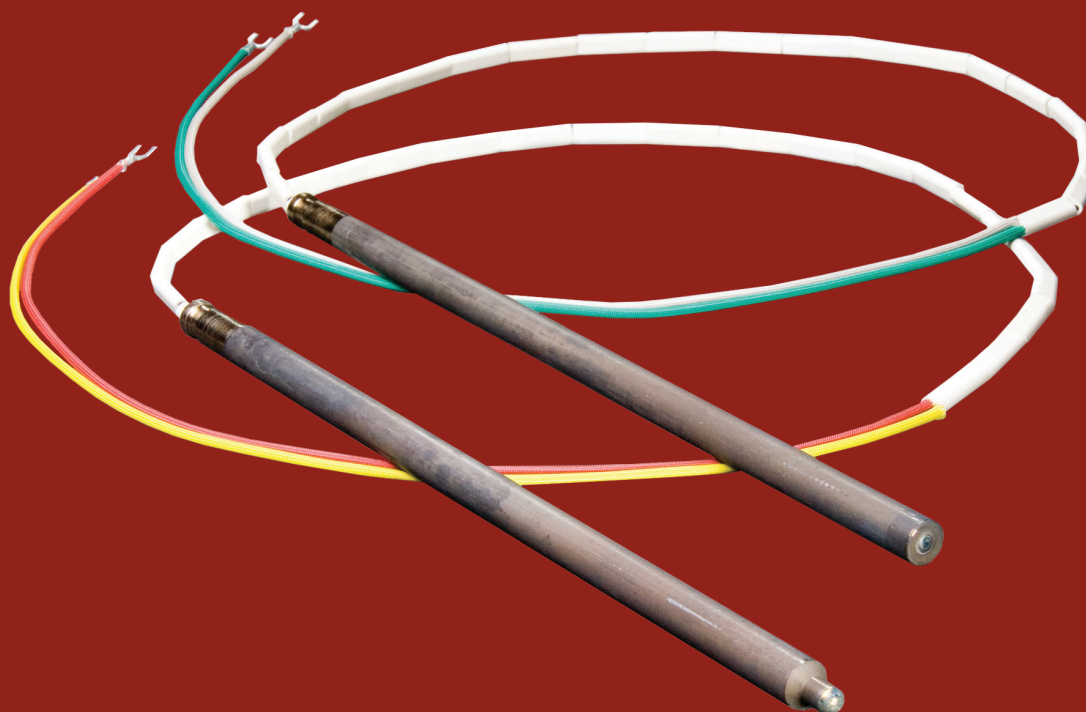


# MARSHALL THERMOCOUPLES™



## MARSHALL THERMOCOUPLE™

The L.H. Marshall Company invented and patented the enclosed tip Thermocouple™ over 80 years ago. Over 10 million Marshall Thermocouples have been sold worldwide for precision temperature measurement. Marshall Thermocouples are reusable, durable, accurate and are a quality product engineered to meet the industry standards for temperature measurement of molten metals.

Scientific research and development at one of America's leading research facilities has led to innovations in steel composition of the Marshall protection tubes resulting in the longest lasting, multiuse thermocouple in the industry.

All Marshall Thermocouples are manufactured with Class 1, Special Limits wire which meet and exceed international quality standards of ANSI MC96.1 and IEC 584. Custom Marshall Thermocouples can be made to accommodate any range of industrial need while maintaining superior quality. Calibration certificates are available on Marshall Thermocouples and all products produced by the L.H. Marshall Company are 100% guaranteed.



**MARSHALL  
THERMOCOUPLES**

Fill in each Ordering Number box with the appropriate specification code. This series of numbers and letters will form the final Ordering Number.



The diagram illustrates the structure of a 10-character alphanumeric code. It is organized into four main sections, each with a label above it:

- PART #**: Consists of three boxes. The first box contains a red 'T'. This section is connected to the next by a red dash.
- TIP LENGTH**: Consists of two boxes. This section is connected to the next by a red dash.
- INSULATOR COLOR**: Consists of one box. This section is connected to the next by a red dash.
- WIRE LENGTH**: Consists of two boxes. This section is connected to the next by a red dash.
- SPECIAL**: Consists of one box. This section is connected to the next by a red dash.

The diagram shows the layout of boxes and lines for each field, with a red 'T' in the first field.

| PART #           | TIP LENGTH         | LEAD WIRE LENGTH      | CALIBRATION COLOR               | SPECIAL                                    |
|------------------|--------------------|-----------------------|---------------------------------|--------------------------------------------|
| 501 - 8" or less | 8" - 8" / 203 mm   | 31" - 31" / 787 mm    | RY - Red (-) Yellow (+) Type K  | R - Reinforced                             |
| 701 - 9" or more | 12" - 12" / 304 mm | 43" - 43" / 1092 mm   | GW - Green (+) White (-) Type K | U - Ungrounded                             |
|                  | 15" - 15" / 381 mm | 55" - 55" / 1397 mm   | RW - Red (-) White (+) Type J   | Plug - Plug                                |
|                  | 18" - 18" / 457 mm | 72" - 72" / 1829 mm   | OR - Orange (+) Red (-) Type N  | Jack - Jack                                |
|                  | 20" - 20" / 508 mm | 96" - 96" / 2438 mm   | PW - Pink (+) White (-) Type N  | Plug & Jack - Plug attached, Jack supplied |
|                  | 24" - 24" / 610 mm | 120" - 120" / 3048 mm |                                 | Jack & Plug - Jack attached, Plug supplied |
|                  | 30" - 30" / 762 mm |                       |                                 |                                            |

A 12" Marshall thermocouple with 43" lead wires, Calibration Type K

**7 0 1 - T - 1 2 - 4 3 - RY -**

# THERMOCOUPLE TIPS RED & YELLOW LEAD WIRES



| 8" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|-----------------------|-----------------------------|--------------------|
| 501-T-8-31-RY         | 31"                         | 27 lbs / 12 kg     |
| 501-T-8-43-RY         | 43"                         | 30 lbs / 14 kg     |
| 501-T-8-55-RY         | 55"                         | 34 lbs / 16 kg     |
| 501-T-8-72-RY         | 72"                         | 36 lbs / 17 kg     |
| 501-T-8-96-RY         | 96"                         | 40 lbs / 18 kg     |
| 501-T-8-120-RY        | 120"                        | 44 lbs / 20 kg     |

| 12" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-12-31-RY         | 31"                         | 35 lbs / 16 kg     |
| 701-T-12-43-RY         | 43"                         | 39 lbs / 18 kg     |
| 701-T-12-55-RY         | 55"                         | 42 lbs / 19 kg     |
| 701-T-12-72-RY         | 72"                         | 45 lbs / 21 kg     |
| 701-T-12-96-RY         | 96"                         | 50 lbs / 23 kg     |
| 701-T-12-120-RY        | 120"                        | 56 lbs / 26 kg     |

| 15" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-15-31-RY         | 31"                         | 45 lbs / 21 kg     |
| 701-T-15-43-RY         | 43"                         | 48 lbs / 22 kg     |
| 701-T-15-55-RY         | 55"                         | 51 lbs / 24 kg     |
| 701-T-15-72-RY         | 72"                         | 55 lbs / 25 kg     |
| 701-T-15-96-RY         | 96"                         | 59 lbs / 27 kg     |
| 701-T-15-120-RY        | 120"                        | 63 lbs / 29 kg     |

| 18" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-18-31-RY         | 31"                         | 52 lbs / 24 kg     |
| 701-T-18-43-RY         | 43"                         | 55 lbs / 25 kg     |
| 701-T-18-55-RY         | 55"                         | 58 lbs / 27 kg     |
| 701-T-18-72-RY         | 72"                         | 61 lbs / 28 kg     |
| 701-T-18-96-RY         | 96"                         | 65 lbs / 30 kg     |
| 701-T-18-120-RY        | 120"                        | 69 lbs / 32 kg     |

\* Lead wires can be color coded Red/Yellow or Green/White

\*\* See lance price page for part numbers

\*\*\* Per 50 pieces in lbs/kg

# THERMOCOUPLE TIPS RED & YELLOW LEAD WIRES

CONTINUED



| 20" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-20-31-RY         | 31"                         | 54 lbs / 25 kg     |
| 701-T-20-43-RY         | 43"                         | 57 lbs / 26 kg     |
| 701-T-20-55-RY         | 55"                         | 60 lbs / 28 kg     |
| 701-T-20-72-RY         | 72"                         | 63 lbs / 29 kg     |
| 701-T-20-96-RY         | 96"                         | 67 lbs / 31 kg     |
| 701-T-20-120-RY        | 120"                        | 71 lbs / 33 kg     |

| 24" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-24-31-RY         | 31"                         | 62 lbs / 29 kg     |
| 701-T-24-43-RY         | 43"                         | 65 lbs / 30 kg     |
| 701-T-24-55-RY         | 55"                         | 68 lbs / 31 kg     |
| 701-T-24-72-RY         | 72"                         | 71 lbs / 33 kg     |
| 701-T-24-96-RY         | 96"                         | 75 lbs / 34 kg     |
| 701-T-24-120-RY        | 120"                        | 79 lbs / 36 kg     |

| 30" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-30-31-RY         | 31"                         | 72 lbs / 33 kg     |
| 701-T-30-43-RY         | 43"                         | 75 lbs / 34 kg     |
| 701-T-30-55-RY         | 55"                         | 78 lbs / 36 kg     |
| 701-T-30-72-RY         | 72"                         | 81 lbs / 37 kg     |
| 701-T-30-96-RY         | 96"                         | 85 lbs / 39 kg     |
| 701-T-30-120-RY        | 120"                        | 89 lbs / 41 kg     |

**NOTES:** Longer length tips and wire lengths are available.

\* Lead wires can be color coded Red/Yellow or Green/White

\*\* See lance price page for part numbers

\*\*\* Per 50 pieces in lbs/kg

# THERMOCOUPLE TIPS GREEN & WHITE LEAD WIRES



| 8" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|-----------------------|-----------------------------|--------------------|
| 501-T-8-31-GW         | 31"                         | 27 lbs / 12 kg     |
| 501-T-8-43-GW         | 43"                         | 30 lbs / 14 kg     |
| 501-T-8-55-GW         | 55"                         | 34 lbs / 16 kg     |
| 501-T-8-72-GW         | 72"                         | 36 lbs / 17 kg     |
| 501-T-8-96-GW         | 96"                         | 40 lbs / 18 kg     |
| 501-T-8-120-GW        | 120"                        | 44 lbs / 20 kg     |

| 12" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-12-31-GW         | 31"                         | 35 lbs / 16 kg     |
| 701-T-12-43-GW         | 43"                         | 39 lbs / 18 kg     |
| 701-T-12-55-GW         | 55"                         | 42 lbs / 19 kg     |
| 701-T-12-72-GW         | 72"                         | 45 lbs / 21 kg     |
| 701-T-12-96-GW         | 96"                         | 50 lbs / 23 kg     |
| 701-T-12-120-GW        | 120"                        | 56 lbs / 26 kg     |

| 15" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-15-31-GW         | 31"                         | 45 lbs / 21 kg     |
| 701-T-15-43-GW         | 43"                         | 48 lbs / 22 kg     |
| 701-T-15-55-GW         | 55"                         | 51 lbs / 24 kg     |
| 701-T-15-72-GW         | 72"                         | 55 lbs / 25 kg     |
| 701-T-15-96-GW         | 96"                         | 59 lbs / 27 kg     |
| 701-T-15-120-GW        | 120"                        | 63 lbs / 29 kg     |

| 18" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-18-31-GW         | 31"                         | 52 lbs / 24 kg     |
| 701-T-18-43-GW         | 43"                         | 55 lbs / 25 kg     |
| 701-T-18-55-GW         | 55"                         | 58 lbs / 27 kg     |
| 701-T-18-72-GW         | 72"                         | 61 lbs / 28 kg     |
| 701-T-18-96-GW         | 96"                         | 65 lbs / 30 kg     |
| 701-T-18-120-GW        | 120"                        | 69 lbs / 32 kg     |

\* Lead wires can be color coded Red/Yellow or Green/White

\*\* See lance price page for part numbers

\*\*\* Per 50 pieces in lbs/kg

# THERMOCOUPLE TIPS GREEN & WHITE LEAD WIRES

CONTINUED



| 20" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-20-31-GW         | 31"                         | 54 lbs / 25 kg     |
| 701-T-20-43-GW         | 43"                         | 57 lbs / 26 kg     |
| 701-T-20-55-GW         | 55"                         | 60 lbs / 28 kg     |
| 701-T-20-72-GW         | 72"                         | 63 lbs / 29 kg     |
| 701-T-20-96-GW         | 96"                         | 67 lbs / 31 kg     |
| 701-T-20-120-GW        | 120"                        | 71 lbs / 33 kg     |

| 24" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-24-31-GW         | 31"                         | 62 lbs / 29 kg     |
| 701-T-24-43-GW         | 43"                         | 65 lbs / 30 kg     |
| 701-T-24-55-GW         | 55"                         | 68 lbs / 31 kg     |
| 701-T-24-72-GW         | 72"                         | 71 lbs / 33 kg     |
| 701-T-24-96-GW         | 96"                         | 75 lbs / 34 kg     |
| 701-T-24-120-GW        | 120"                        | 79 lbs / 36 kg     |

| 30" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-30-31-GW         | 31"                         | 72 lbs / 33 kg     |
| 701-T-30-43-GW         | 43"                         | 75 lbs / 34 kg     |
| 701-T-30-55-GW         | 55"                         | 78 lbs / 36 kg     |
| 701-T-30-72-GW         | 72"                         | 81 lbs / 37 kg     |
| 701-T-30-96-GW         | 96"                         | 85 lbs / 39 kg     |
| 701-T-30-120-GW        | 120"                        | 89 lbs / 41 kg     |

**NOTES:** Longer length tips and wire lengths are available.

\* Lead wires can be color coded Red/Yellow or Green/White

\*\* See lance price page for part numbers

\*\*\* Per 50 pieces in lbs/kg

# THERMOCOUPLE TIPS RED & YELLOW LEAD WIRES REINFORCED TIP



| 8" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|-----------------------|-----------------------------|--------------------|
| 501-T-8-31-RY-R       | 31"                         | 27 lbs / 12 kg     |
| 501-T-8-43-RY-R       | 43"                         | 30 lbs / 14 kg     |
| 501-T-8-55-RY-R       | 55"                         | 34 lbs / 16 kg     |
| 501-T-8-72-RY-R       | 72"                         | 36 lbs / 17 kg     |
| 501-T-8-96-RY-R       | 96"                         | 40 lbs / 18 kg     |
| 501-T-8-120-RY-R      | 120"                        | 44 lbs / 20 kg     |

| 12" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-12-31-RY-R       | 31"                         | 35 lbs / 16 kg     |
| 701-T-12-43-RY-R       | 43"                         | 39 lbs / 18 kg     |
| 701-T-12-55-RY-R       | 55"                         | 42 lbs / 19 kg     |
| 701-T-12-72-RY-R       | 72"                         | 45 lbs / 21 kg     |
| 701-T-12-96-RY-R       | 96"                         | 50 lbs / 23 kg     |
| 701-T-12-120-RY-R      | 120"                        | 56 lbs / 26 kg     |

| 15" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-15-31-RY-R       | 31"                         | 45 lbs / 21 kg     |
| 701-T-15-43-RY-R       | 43"                         | 48 lbs / 22 kg     |
| 701-T-15-55-RY-R       | 55"                         | 51 lbs / 24 kg     |
| 701-T-15-72-RY-R       | 72"                         | 55 lbs / 25 kg     |
| 701-T-15-96-RY-R       | 96"                         | 59 lbs / 27 kg     |
| 701-T-15-120-RY-R      | 120"                        | 63 lbs / 29 kg     |

| 18" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-18-31-RY-R       | 31"                         | 52 lbs / 24 kg     |
| 701-T-18-43-RY-R       | 43"                         | 55 lbs / 25 kg     |
| 701-T-18-55-RY-R       | 55"                         | 58 lbs / 27 kg     |
| 701-T-18-72-RY-R       | 72"                         | 61 lbs / 28 kg     |
| 701-T-18-96-RY-R       | 96"                         | 65 lbs / 30 kg     |
| 701-T-18-120-RY-R      | 120"                        | 69 lbs / 32 kg     |

\* Lead wires can be color coded Red/Yellow or Green/White

\*\* See lance price page for part numbers

\*\*\* Per 50 pieces in lbs/kg

# THERMOCOUPLE TIPS RED & YELLOW LEAD WIRES REINFORCED TIP CONTINUED



| 20" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-20-31-RY-R       | 31"                         | 54 lbs / 25 kg     |
| 701-T-20-43-RY-R       | 43"                         | 57 lbs / 26 kg     |
| 701-T-20-55-RY-R       | 55"                         | 60 lbs / 28 kg     |
| 701-T-20-72-RY-R       | 72"                         | 63 lbs / 29 kg     |
| 701-T-20-96-RY-R       | 96"                         | 67 lbs / 31 kg     |
| 701-T-20-120-RY-R      | 120"                        | 71 lbs / 33 kg     |

| 24" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-24-31-RY-R       | 31"                         | 62 lbs / 29 kg     |
| 701-T-24-43-RY-R       | 43"                         | 65 lbs / 30 kg     |
| 701-T-24-55-RY-R       | 55"                         | 68 lbs / 31 kg     |
| 701-T-24-72-RY-R       | 72"                         | 71 lbs / 33 kg     |
| 701-T-24-96-RY-R       | 96"                         | 75 lbs / 34 kg     |
| 701-T-24-120-RY-R      | 120"                        | 79 lbs / 36 kg     |

| 30" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-30-31-RY-R       | 31"                         | 72 lbs / 33 kg     |
| 701-T-30-43-RY-R       | 43"                         | 75 lbs / 34 kg     |
| 701-T-30-55-RY-R       | 55"                         | 78 lbs / 36 kg     |
| 701-T-30-72-RY-R       | 72"                         | 81 lbs / 37 kg     |
| 701-T-30-96-RY-R       | 96"                         | 85 lbs / 39 kg     |
| 701-T-30-120-RY-R      | 120"                        | 89 lbs / 41 kg     |

**NOTES:** Longer length tips and wire lengths are available.

\* Lead wires can be color coded Red/Yellow or Green/White

\*\* See lance price page for part numbers

\*\*\* Per 50 pieces in lbs/kg



# THERMOCOUPLE TIPS GREEN & WHITE LEAD WIRES REINFORCED TIP



| 8" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|-----------------------|-----------------------------|--------------------|
| 501-T-8-31-GW-R       | 31"                         | 27 lbs / 12 kg     |
| 501-T-8-43-GW-R       | 43"                         | 30 lbs / 14 kg     |
| 501-T-8-55-GW-R       | 55"                         | 34 lbs / 16 kg     |
| 501-T-8-72-GW-R       | 72"                         | 36 lbs / 17 kg     |
| 501-T-8-96-GW-R       | 96"                         | 40 lbs / 18 kg     |
| 501-T-8-120-GW-R      | 120"                        | 44 lbs / 20 kg     |

| 12" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-12-31-GW-R       | 31"                         | 35 lbs / 16 kg     |
| 701-T-12-43-GW-R       | 43"                         | 39 lbs / 18 kg     |
| 701-T-12-55-GW-R       | 55"                         | 42 lbs / 19 kg     |
| 701-T-12-72-GW-R       | 72"                         | 45 lbs / 21 kg     |
| 701-T-12-96-GW-R       | 96"                         | 50 lbs / 23 kg     |
| 701-T-12-120-GW-R      | 120"                        | 56 lbs / 26 kg     |

| 15" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-15-31-GW-R       | 31"                         | 45 lbs / 21 kg     |
| 701-T-15-43-GW-R       | 43"                         | 48 lbs / 22 kg     |
| 701-T-15-55-GW-R       | 55"                         | 51 lbs / 24 kg     |
| 701-T-15-72-GW-R       | 72"                         | 55 lbs / 25 kg     |
| 701-T-15-96-GW-R       | 96"                         | 59 lbs / 27 kg     |
| 701-T-15-120-GW-R      | 120"                        | 63 lbs / 29 kg     |

| 18" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-18-31-GW-R       | 31"                         | 52 lbs / 24 kg     |
| 701-T-18-43-GW-R       | 43"                         | 55 lbs / 25 kg     |
| 701-T-18-55-GW-R       | 55"                         | 58 lbs / 27 kg     |
| 701-T-18-72-GW-R       | 72"                         | 61 lbs / 28 kg     |
| 701-T-18-96-GW-R       | 96"                         | 65 lbs / 30 kg     |
| 701-T-18-120-GW-R      | 120"                        | 69 lbs / 32 kg     |

\* Lead wires can be color coded Red/Yellow or Green/White

\*\* See lance price page for part numbers

\*\*\* Per 50 pieces in lbs/kg

# THERMOCOUPLE TIPS GREEN & WHITE LEAD WIRES REINFORCED TIP CONTINUED



| 20" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-20-31-GW-R       | 31"                         | 54 lbs / 25 kg     |
| 701-T-20-43-GW-R       | 43"                         | 57 lbs / 26 kg     |
| 701-T-20-55-GW-R       | 55"                         | 60 lbs / 28 kg     |
| 701-T-20-72-GW-R       | 72"                         | 63 lbs / 29 kg     |
| 701-T-20-96-GW-R       | 96"                         | 67 lbs / 31 kg     |
| 701-T-20-120-GW-R      | 120"                        | 71 lbs / 33 kg     |

| 24" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-24-31-GW-R       | 31"                         | 62 lbs / 29 kg     |
| 701-T-24-43-GW-R       | 43"                         | 65 lbs / 30 kg     |
| 701-T-24-55-GW-R       | 55"                         | 68 lbs / 31 kg     |
| 701-T-24-72-GW-R       | 72"                         | 71 lbs / 33 kg     |
| 701-T-24-96-GW-R       | 96"                         | 75 lbs / 34 kg     |
| 701-T-24-120-GW-R      | 120"                        | 79 lbs / 36 kg     |

| 30" THERMOCOUPLE TIPS* | FOR USE WITH LANCE LENGTH** | SHIPPING WEIGHT*** |
|------------------------|-----------------------------|--------------------|
| 701-T-30-31-GW-R       | 31"                         | 72 lbs / 33 kg     |
| 701-T-30-43-GW-R       | 43"                         | 75 lbs / 34 kg     |
| 701-T-30-55-GW-R       | 55"                         | 78 lbs / 36 kg     |
| 701-T-30-72-GW-R       | 72"                         | 81 lbs / 37 kg     |
| 701-T-30-96-GW-R       | 96"                         | 85 lbs / 39 kg     |
| 701-T-30-120-GW-R      | 120"                        | 89 lbs / 41 kg     |

**NOTES:** Longer length tips and wire lengths are available.

\* Lead wires can be color coded Red/Yellow or Green/White

\*\* See lance price page for part numbers

\*\*\* Per 50 pieces in lbs/kg