

CRIMPER SELECTOR GUIDE

Ferrule and Wire Size by Crimper Type

Use this Selector Guide to determine ferrule and wire sizes which can be crimped. Refer to ordering pages 94-97 for additional selection and ordering information.

1. Determine the wire size(s) to be used.
2. Select the appropriate ferrule size(s).¹
3. Based on the ferrule size, choose the crimper type appropriate for use.
4. Select the crimper style best suited for your application.

| | | CRIMPER STYLES | | | | | | | | | |
|---------------|------------------------------|---------------------------|----------|----------|----------|----------|---------------------------|---------|------------------------|----------------------------|------|
| | | UNIVERSAL FERRULE CRIMPER | | | | | PNEUMATIC FERRULE CRIMPER | | | VISE MOUNT FERRULE CRIMPER | |
| Wire Size AWG | Ferrule Size mm ² | Crimper Type | | | | | | | | | |
| | | E110.000 | E110.005 | E110.010 | E110.015 | E110.020 | ACT2.5P ² | ACT10-P | ACT2.5T-P ² | ACT10T-P | GFCF |
| 26 | .14 | ■ | | | | | | | | | |
| 24 | .25 | ■ | | | | | | | | | |
| 22 | .34 | ■ | | | | | | | | | |
| 20 | .50 | ■ | | | | | | | | | |
| 20 | .75 | ■ | | | | | | | | | |
| 18 | 1.00 | ■ | | | | | | | | | |
| 16 | 1.50 | ■ | | | | | | | | | |
| 14 | 2.50 | ■ | ■ | | | | | | | | |
| 12 | 4.00 | | | | | | X | | X | | |
| 10 | 6.00 | | | | | | X | | X | | |
| 8 | 10.00 | | ■ | ■ | | | X | | X | | |
| 6 | 16.00 | | | ■ | | | | | | | |
| 4 | 25.00 | | | | X | | | | | | |
| 2 | 35.00 | | | | X | | | | | | |
| 1 | 50.00 | | | | | X | | | | | |
| 2/0 | 70.00 | | | | | | | | | X | |
| 3/0 | 95.00 | | | | | | | | | X | |
| 4/0 | 120.00 | | | | | | | | | X | |
| 250MCM | 150.00 | | | | | | | | | X | |

Dual Wire Ferrules

E110.000 crimper covers 2x20 to 2x12 AWG dual wire ferrules

E110.010 crimper covers 2x10 to 2x8 AWG dual wire ferrules

E110.015 crimper covers 2x6 AWG dual wire ferrules

Key:

■ = Multi-Cavity Range

X = Individual Cavity

¹ To insure efficient ferrule crimping, always select the smallest ferrule diameter that fits the wire.

² Insulated ferrule/wire size range is shown, uninsulated ferrule range is 16-14 AWG (1.50 - 2.5mm²).

| Length inch [in.] x 25.4 =millimeters millimeters [mm] x 0.03937 =inches meters [m] x 3.281 =feet miles [mi] x 1.609 =kilometers kilometers [km] x 0.6214 =miles Torque Newtonmeter [Nm] x 0.738 =lb-ft lb-ft x 1.356 =Nm lb-in x 0.113 =Nm oz-in x 0.0071 =Nm Power kilowatt [kW] x 1.341 =hp hp x 0.7457 =kW Moment of Inertia (WR²) lb-ft ² x 0.042 =kgm ² kilogrammeter ² 23.720 =lb-ft ² [kgm ²] Weight Mass and Force Newton [N] x 0.2248 =pound kilogram [kg] x 2.205 =pounds pound [lb] x 4.448 =N pound [lb] x 0.4536 =kg | Metric Cross-Sectional Areas ^a | | | American Wire Gauge | | | Metric Cross-Sections Areas ^a | | | American Wire Gauge | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------|------------|--------------------------------------|----------------------------------------|------------|------------------------------------------|--|--|---------------------|--|--|
| | Cross-Sectional Area mm ² | Equivalent Metric Area mm ² | AWG or MCM | Cross-Sectional Area mm ² | Equivalent Metric Area mm ² | AWG or MCM | | | | | | |
| 0.50 | 0.519 | 20 AWG | 25.0 | 21.15 | 4 AWG | | | | | | | |
| 0.75 | 0.653 | 19 | 35.0 | 26.67 | 3 | | | | | | | |
| | 0.823 | 18 | | 33.63 | 2 | | | | | | | |
| | | | | 42.41 | 1 | | | | | | | |
| 1.5 | 1.04 | 17 | 50.0 | 53.48 | 1/0 | | | | | | | |
| | 1.31 | 16 | | 67.43 | 2/0 | | | | | | | |
| | 1.65 | 15 | 70.0 | 85.03 | | | | | | | | |
| 2.5 | 2.08 | 14 | 95.0 | | | | | | | | | |
| | 2.62 | 13 | | 107.20 | 4/0 | | | | | | | |
| | | | | 126.64 | 250 MCM | | | | | | | |
| 4.0 | 3.31 | 12 | 120.0 | 152.00 | 300 | | | | | | | |
| | 4.17 | 11 | 150.0 | 177.35 | 350 | | | | | | | |
| | 5.26 | 10 | 185.0 | 202.71 | 350 | | | | | | | |
| | | | 240.0 | 253.35 | 400 | | | | | | | |
| 6.0 | | | | | 500 | | | | | | | |
| | 6.63 | 9 | | | | | | | | | | |
| | 8.37 | 8 | 300.0 | 380.00 | 750 | | | | | | | |
| 10.0 | | | 400.0 | 506.71 | 1000 | | | | | | | |
| | 10.55 | 7 | | | | | | | | | | |
| | 13.30 | 6 | 500.0 | | | | | | | | | |
| 16.0 | 16.77 | 5 | 625.0 | | | | | | | | | |

^a As per IEC Publ. 228

DEGREES CELSIUS VERSUS DEGREES FAHRENHEIT

| °C | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C | °F |
|-----|--------|-----|------|----|------|----|-------|----|-------|-----|-------|-----|-------|-----|-------|
| -80 | -112.0 | -20 | -4.0 | 5 | 41.0 | 30 | 86.0 | 55 | 131.0 | 80 | 176.0 | 105 | 221.0 | 130 | 266.0 |
| -70 | -94.0 | -19 | -2.2 | 6 | 42.8 | 31 | 87.8 | 56 | 132.8 | 81 | 177.8 | 106 | 222.8 | 131 | 267.8 |
| -60 | -65.0 | -18 | -0.4 | 7 | 44.6 | 32 | 89.6 | 57 | 134.6 | 82 | 179.6 | 107 | 224.6 | 132 | 269.6 |
| -50 | -58.0 | -17 | +1.4 | 8 | 46.4 | 33 | 91.4 | 58 | 136.4 | 83 | 181.4 | 108 | 226.4 | 133 | 271.4 |
| -45 | -49.1 | -16 | 3.2 | 9 | 48.2 | 34 | 93.2 | 59 | 138.2 | 84 | 183.2 | 109 | 228.2 | 134 | 273.2 |
| -40 | -40.0 | -15 | 5.0 | 10 | 50.0 | 35 | 95.0 | 60 | 140.0 | 85 | 185.0 | 110 | 230.0 | 135 | 275.0 |
| -39 | -38.2 | -14 | 6.8 | 11 | 51.8 | 36 | 96.8 | 61 | 141.8 | 86 | 186.8 | 111 | 231.8 | 136 | 276.8 |
| -38 | -36.4 | -13 | 8.6 | 12 | 53.6 | 37 | 98.6 | 62 | 143.6 | 87 | 188.6 | 112 | 233.6 | 137 | 278.6 |
| -37 | -34.6 | -12 | 10.4 | 13 | 55.4 | 38 | 100.4 | 63 | 145.4 | 88 | 189.4 | 113 | 235.4 | 138 | 280.4 |
| -36 | -32.8 | -11 | 12.2 | 14 | 57.2 | 39 | 102.2 | 64 | 147.2 | 89 | 192.2 | 114 | 237.2 | 139 | 282.2 |
| -35 | -31.0 | -10 | 14.0 | 15 | 59.0 | 40 | 104.0 | 65 | 149.0 | 90 | 194.0 | 115 | 239.0 | 140 | 284.0 |
| -34 | -29.2 | -9 | 15.8 | 16 | 60.8 | 41 | 105.8 | 66 | 150.8 | 91 | 195.8 | 116 | 240.8 | 141 | 285.8 |
| -33 | -27.4 | -8 | 17.6 | 17 | 62.6 | 42 | 107.6 | 67 | 152.6 | 92 | 197.6 | 117 | 242.6 | 142 | 287.6 |
| -32 | -25.6 | -7 | 19.4 | 18 | 64.4 | 43 | 109.4 | 68 | 154.4 | 93 | 199.4 | 118 | 244.4 | 143 | 289.4 |
| -31 | -23.8 | -6 | 21.2 | 19 | 66.2 | 44 | 111.2 | 69 | 156.2 | 94 | 201.2 | 119 | 246.2 | 144 | 291.2 |
| -30 | -22.0 | -5 | 23.0 | 20 | 68.0 | 45 | 113.0 | 70 | 158.0 | 95 | 203.0 | 120 | 248.0 | 145 | 293.0 |
| -29 | -22.0 | -4 | 24.8 | 21 | 69.8 | 46 | 114.8 | 71 | 159.8 | 96 | 204.8 | 121 | 249.8 | 146 | 294.8 |
| -28 | -18.4 | -3 | 26.6 | 22 | 71.6 | 47 | 116.6 | 72 | 161.6 | 97 | 206.6 | 122 | 251.6 | 147 | 296.6 |
| -27 | -16.6 | -2 | 28.4 | 23 | 73.4 | 48 | 118.4 | 73 | 163.4 | 98 | 208.4 | 123 | 253.4 | 148 | 298.4 |
| -26 | -14.8 | -1 | 30.2 | 24 | 75.2 | 49 | 120.2 | 74 | 165.2 | 99 | 210.2 | 124 | 255.2 | 149 | 300.2 |
| -25 | -13.0 | 0 | 32.0 | 25 | 77.0 | 50 | 122.0 | 75 | 167.0 | 100 | 212.0 | 125 | 257.0 | 150 | 302.0 |
| -24 | -11.2 | 1 | 33.8 | 26 | 78.8 | 51 | 123.8 | 76 | 168.8 | 101 | 213.8 | 126 | 258.8 | 160 | 320.0 |
| -23 | -9.4 | 2 | 35.6 | 27 | 80.6 | 52 | 125.6 | 77 | 170.6 | 102 | 215.6 | 127 | 260.6 | 170 | 338.0 |
| -22 | -7.6 | 3 | 37.4 | 28 | 82.4 | 53 | 127.4 | 78 | 172.4 | 103 | 217.4 | 128 | 262.4 | 180 | 356.0 |
| -21 | -5.8 | 4 | 39.2 | 29 | 84.2 | 54 | 129.2 | 79 | 174.2 | 104 | 219.2 | 129 | 264.2 | 190 | 374.0 |

Conversion Formula °F = 9/5°C + 32° °C = 5/9(°F-32°)

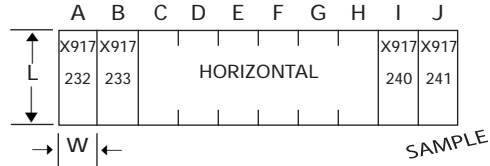
IMPRINT SCHEDULE FOR CUSTOM MARKING TAGS*

Company: _____
 Address: _____
 Phone: (____) _____ FAX: (____) _____
 Contact: _____

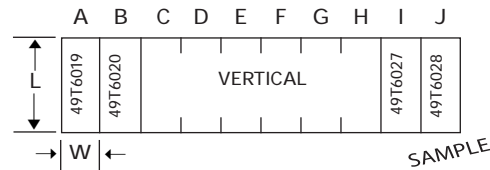
Ordering Instructions

- 1) Indicate Tag Type (Use separate sheet for each Tag Type ordered).
- 2) List imprint sequence for each strip. (Please use Typewriter)
- 3) Indicate strip quantity for each strip.
- 4) Indicate total strip quantity.
- 5) Mail or FAX form with Purchase Order to Altech.

| Cat. No. Horizontal Imprint | Tag Dimensions W x H |
|--------------------------------------|-------------------------|
| <input type="checkbox"/> MT 2/H- XX | 4.9 x 5.8 |
| <input type="checkbox"/> MT 3/H- XX | 5.0 x 10.0 |
| <input type="checkbox"/> MT 4/H- XX | 5.0 x 4.8 |
| <input type="checkbox"/> MT 5/H- XX | 9.4 x 4.5 |
| <input type="checkbox"/> MT 6/H- XX | 9.4 x 5.5 |
| <input type="checkbox"/> MT 8/H- XX | 10.4 x 7.3 |
| <input type="checkbox"/> MT 9/H- XX | 10.3 x 8.7 |
| <input type="checkbox"/> MT 10/H- XX | 10.4 x 9.4 |
| <input type="checkbox"/> MT 12/H- XX | 10.4 x 11.3 |
| <input type="checkbox"/> MT 15/H- XX | 10.4 x 14.3 |
| <input type="checkbox"/> MT 20/H- XX | 4.9 x 20 |
| <input type="checkbox"/> MT 25/H- XX | 4.9 x 25 |



| Cat. No. Vertical Imprint | Tag Dimensions W x H |
|--------------------------------------|-------------------------|
| <input type="checkbox"/> MT 2/V- XX | 4.9 x 5.8 |
| <input type="checkbox"/> MT 3/V- XX | 5.0 x 10.0 |
| <input type="checkbox"/> MT 4/V- XX | 5.0 x 4.8 |
| <input type="checkbox"/> MT 5/V- XX | 9.4 x 4.5 |
| <input type="checkbox"/> MT 6/V- XX | 9.4 x 5.5 |
| <input type="checkbox"/> MT 8/V- XX | 10.4 x 7.3 |
| <input type="checkbox"/> MT 9/V- XX | 10.3 x 8.7 |
| <input type="checkbox"/> MT 10/V- XX | 10.4 x 9.4 |
| <input type="checkbox"/> MT 12/V- XX | 10.4 x 11.3 |
| <input type="checkbox"/> MT 15/V- XX | 10.4 x 14.3 |
| <input type="checkbox"/> MT 20/V- XX | 4.9 x 20 |
| <input type="checkbox"/> MT 25/V- XX | 4.9 x 25 |



Strip Qty.

| | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| A | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| B | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| C | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| D | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| E | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| F | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| G | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| H | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| I | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| J | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| | <input type="text"/> Strip Qty. | <input type="text"/> Strip Qty. | <input type="text"/> Strip Qty. | <input type="text"/> Strip Qty. | <input type="text"/> Strip Qty. | <input type="text"/> Strip Qty. |

* Set-up fee applies to custom imprints.