

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

Wire Size AWG	Ferrule Size mm ²	UNIVERSAL FERRULE CRIMPER					PNEUMATIC FERRULE CRIMPER				VICE MOUNT FERRULE CRIMPER	
		Crimper Type	E110.000	E110.005	E110.010	E110.015	E110.020	ACT2.5P ²	ACT10-P	ACT2.5T-P ²		ACT10T-P
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	°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	200	392
-70	-94.0	-19	-2.2	6	42.8	31	87.8	56	132.8	81	177.8	106	222.8	131	267.8	210	410
-60	-65.0	-18	-0.4	7	44.6	32	89.6	57	134.6	82	179.6	107	224.6	132	269.6	220	428
-50	-58.0	-17	+1.4	8	46.4	33	91.4	58	136.4	83	181.4	108	226.4	133	271.4	230	446
-45	-49.1	-16	3.2	9	48.2	34	93.2	59	138.2	84	183.2	109	228.2	134	273.2	240	464
-40	-40.0	-15	5.0	10	50.0	35	95.0	60	140.0	85	185.0	110	230.0	135	275.0	250	482
-39	-38.2	-14	6.8	11	51.8	36	96.8	61	141.8	86	186.8	111	231.8	136	276.8	300	572
-38	-36.4	-13	8.6	12	53.6	37	98.6	62	143.6	87	188.6	112	233.6	137	278.6	350	662
-37	-34.6	-12	10.4	13	55.4	38	100.4	63	145.4	88	189.4	113	235.4	138	280.4	400	752
-36	-32.8	-11	12.2	14	57.2	39	102.2	64	147.2	89	192.2	114	237.2	139	282.2	500	932
-35	-31.0	-10	14.0	15	59.0	40	104.0	65	149.0	90	194.0	115	239.0	140	284.0	600	1112
-34	-29.2	-9	15.8	16	60.8	41	105.8	66	150.8	91	195.8	116	240.8	141	285.8	700	1292
-33	-27.4	-8	17.6	17	62.6	42	107.6	67	152.6	92	197.6	117	242.6	142	287.6	800	1472
-32	-25.6	-7	19.4	18	64.4	43	109.4	68	154.4	93	199.4	118	244.4	143	289.4	900	1652
-31	-23.8	-6	21.2	19	66.2	44	111.2	69	156.2	94	201.2	119	246.2	144	291.2	1000	1832
-30	-22.0	-5	23.0	20	68.0	45	113.0	70	158.0	95	203.0	120	248.0	145	293.0	1100	2012
-29	-22.0	-4	24.8	21	69.8	46	114.8	71	159.8	96	204.8	121	249.8	146	294.8	1200	2192
-28	-18.4	-3	26.6	22	71.6	47	116.6	72	161.6	97	206.6	122	251.6	147	296.6	1300	2372
-27	-16.6	-2	28.4	23	73.4	48	118.4	73	163.4	98	208.4	123	253.4	148	298.4	1400	2552
-26	-14.8	-1	30.2	24	75.2	49	120.2	74	165.2	99	210.2	124	255.2	149	300.2	1500	2732
-25	-13.0	0	32.0	25	77.0	50	122.0	75	167.0	100	212.0	125	257.0	150	302.0	1600	2912
-24	-11.2	1	33.8	26	78.8	51	123.8	76	168.8	101	213.8	126	258.8	160	320.0	1700	3092
-23	-9.4	2	35.6	27	80.6	52	125.6	77	170.6	102	215.6	127	260.6	170	338.0	1800	3272
-22	-7.6	3	37.4	28	82.4	53	127.4	78	172.4	103	217.4	128	262.4	180	356.0	1900	3452
-21	-5.8	4	39.2	29	84.2	54	129.2	79	174.2	104	219.2	129	264.2	190	374.0	2000	3632

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

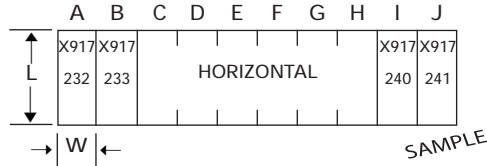
IMPRINT SCHEDULE FOR CUSTOM MARKING TAGS*

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

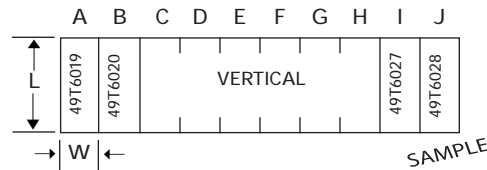
Ordering Instructions

- 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						
B						
C						
D						
E						
F						
G						
H						
I						
J						
	<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.