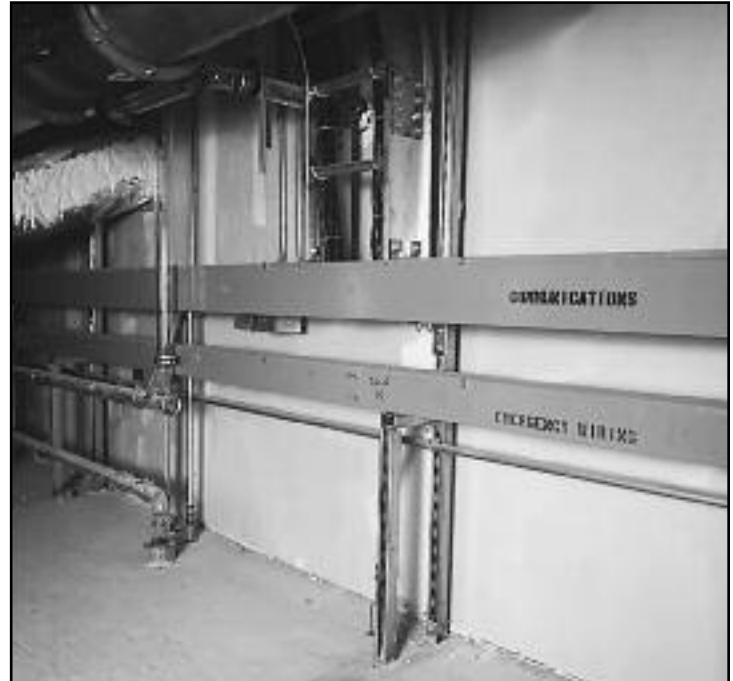


## Wireway Solutions for Indoor Applications

Easy to install, easy to modify, easy to access, and cost effective, SpecMate Type 1 Wireway Systems are ideal for all industrial, warehouse, and utility wire and cable distribution applications where dust, dirt, oil or water are not serious problems.

Installations benefit from completely open lay-in of wires and cables without pull through hassles. Future adds and changes are fast and simple. Available in a broad range of sizes, SpecMate Wireway Systems are also available in all industry standard sizes.



Separate runs of 4" x 4" [102mm x 102mm] wireway distribute communication and emergency power wiring.

### FEATURES & BENEFITS

- **Broad range of wireway sizes.** Depths from 2" to 12" [51mm to 305mm] and widths from 2" to 24" [51mm to 610mm] accommodate increased capacity requirements. Nine standard sizes are also offered.
- **Hinged covers.** Hinged covers facilitate installation in overhead applications.
- **Available with or without dividers and KOs.** Specify spacing of dividers. Standard KO spacing is 24" [610mm] on center. Dividers allow power and communication to be installed in the same wireway.
- **Reduced installation time/cost.** All UL listed and CSA certified sizes may be supported on a maximum of 5' centers. The standard 2 1/2", 4" and 6" [64mm x 64mm, 102mm x 102mm and 152mm x 152mm] sizes are UL Listed on 10 ft. [3 meter] centers.
- **Flexible system.** Custom lengths, widths, and heights easily accommodated for virtually any installation.
- **Fully accessible systems.** Simplifies installation and reduces installation time. Simply lay in the power, phone and data services and close the cover. Absolutely no pull-through necessary.
- **Available in gray baked enamel finish.** Custom colors available upon request.
- **UL Listed (File No. E137690 Guide ZOYX) and CSA Certified (File LL59760).** Ensures safety and reliability in your applications.

## SpecMate Type Wireway Systems Capacity Charts

The following charts show the wireway size and number of conductors allowed. To apply these numbers correctly to your application, observe the rules outlined below, which are taken from the applicable Electrical Code or UL/CSA standard.

### National Electrical Code (NEC):

Article 362-5 of the NEC (1999) states that “The sum of cross-sectional areas of all contained conductors at any cross section of the wireway shall not exceed 20 percent of the interior cross-sectional area of the wireway” and that “Wireways shall not contain more than thirty current carrying conductors at any cross section.” An important exception to this is that “where the derating factors specified in Article 310 – 15(b)(2)(a), are applied, the number of current-carrying conductors shall not be limited, but the sum of the cross-sectional areas of all contained conductors at any cross section of the wireway shall not exceed 20 percent of the interior cross-sectional area of the wireway.”

Where the conductors enter the wireway through the bottom or the sides, the maximum conductor size is limited due to the need to control the bend radius of the conductor. See the chart entitled “Conductor Size Based on Bending Space,” for the maximum conductor size applicable for this situation.

Please see Article 362 of the NEC for more details if required.

### Canadian Electrical Code (CEC):

The rules in CEC 12-2104 regarding conductors in wireways are as follows:

- (1) Conductors used in wireways shall be the insulated types indicated in Table 19 (CEC) as being suitable for use in raceways.
- (2) Except as permitted in Subrule (4) wireways shall contain not more than 200 conductors and the aggregate cross-sectional area of the conductors and their insulation shall not exceed 20% of the interior cross-sectional area of the wireway.
- (3) No conductor larger than 500 kcmil (MCM) copper or 750 kcmil (MCM) aluminum shall be installed in any wireway.
- (4) Wireways containing only signal and control conductors may contain any number of conductors but the aggregate cross-sectional area of the conductors and their insulation shall not exceed 40% of the interior cross-sectional area of the wireway.
- (5) The cross-sectional area for conductors in Subrules (2) and (4) shall be determined in accordance with Rule 12-1014(4).

Please see Section 12-2100 of the CEC for more details if required.

### SpecMate Type 1 Wireway Systems Capacity Chart

CONDUCTOR SIZE AWG-MCM (mm <sup>2</sup> )	2.5" x 2.5" [64mm x 64mm] (1.25 sq. in. [808mm <sup>2</sup> ])				4" x 4" [102mm x 102] (3.20 sq. in. [2068mm <sup>2</sup> ])				6" x 6" [152mm x 152mm] (7.20 sq. in. [4652mm <sup>2</sup> ])				
	A	B	C	D	A	B	C	D	A	B	C	D	
18	0.8	74	142	201	–	191	363	516	–	431	818	1161	–
16	1.3	63	114	158	–	163	293	405	–	367	660	911	–
14	2.1	54	92	143	–	139	237	367	–	313	533	827	–
14	2.1	38	–	–	–	97	–	–	–	220	–	–	–
14	2.1	–	60	–	95	–	155	–	244	–	349	–	549
12	3.3	44	72	106	–	115	186	273	–	258	418	615	–
12	3.3	32	–	–	–	83	–	–	–	187	–	–	–
12	3.3	–	49	–	74	–	126	–	191	–	285	–	431
10	5.3	27	56	67	–	69	144	173	–	156	324	391	–
10	5.3	–	40	–	57	–	102	–	148	–	231	–	333
8	8.4	14	26	33	–	37	67	85	–	85	152	193	–
8	8.4	–	20	–	27	–	53	–	70	–	120	–	157
6	13.3	10	15	24	20	25	39	61	51	58	87	138	115
4	21.2	7	11	14	14	19	29	37	37	44	66	85	85
3	26.7	6	9	12	12	17	25	32	32	39	57	72	72
2	33.6	6	8	10	10	15	21	27	27	34	48	60	60
1	42.4	4	6	7	7	11	15	20	20	26	35	45	45
1/0	53.5	4	5	6	6	10	13	16	16	23	30	38	38
2/0	67.4	3	4	5	5	8	11	14	14	20	25	31	31
3/0	85.1	3	3	4	4	7	9	11	11	17	21	26	26
4/0	107.2	2	3	3	3	6	8	9	9	14	18	21	21
250	127	2	2	3	3	5	6	7	7	12	14	17	17
300	152	1	2	2	2	4	5	6	6	10	12	15	15
350	177	1	1	2	2	4	5	6	6	9	11	13	13
400	203	1	1	2	2	3	4	5	5	8	10	12	12
500	253	1	1	1	1	3	3	4	4	7	8	10	10
600	304	1	1	1	1	2	3	3	3	6	7	8	7
700	355	–	1	1	1	2	2	3	3	5	6	7	6
750	380	–	1	1	1	2	2	3	2	5	5	6	6
800	405	–	–	1	1	2	2	2	2	4	5	6	6
900	456	–	–	1	–	1	2	2	2	4	5	5	5
1000	507	–	–	–	–	1	2	2	2	4	4	5	5
1250	633	–	–	–	–	1	1	–	1	3	3	–	4
1500	760	–	–	–	–	1	1	–	1	2	3	–	3
1750	887	–	–	–	–	1	1	–	1	2	2	–	3
2000	1013	–	–	–	–	–	1	–	1	2	2	–	2

**NOTE:** Letters “A”, “B”, “C”, and “D” refer to conductor insulation types specified on page 7.

**NOTE:** Wireway Size and Maximum Number of Conductors Allowed. (Areas shown are 20% of the wireway’s full interior cross sectional area.)

These data is valid where conductors enter the wireway only at the end of the run; when this is not the case, use the “Conductor Size Based on Bending Space” chart.

**SpecMate Type 1 Wireway Systems Capacity Chart** (continued)

CONDUCTOR SIZE AWG-MCM	8" x 8" [203mm x 203mm] (12.80 sq. in. [8271mm <sup>2</sup> ])				12" x 12" [305mm x 305mm] (28.80 sq. in. [18609mm <sup>2</sup> ])				10" x 4" [254mm x 102mm] (8.00 sq. in. [5169mm <sup>2</sup> ])				
	A	B	C	D	A	B	C	D	A	B	C	D	
18	0.8	766	1454	2064	-	1724	3272	4645	-	479	909	1290	-
16	1.3	653	1174	1620	-	1469	2642	3645	-	408	773	1012	-
14	2.1	556	948	1471	-	1252	2133	3310	-	347	592	919	-
14	2.1	391	-	-	-	880	-	-	-	244	-	-	-
14	2.1	-	621	-	977	-	1398	-	2198	-	388	-	610
12	3.3	460	744	1094	-	1035	1674	2461	-	287	465	683	-
12	3.3	333	-	-	-	750	-	-	-	208	-	-	-
12	3.3	-	507	-	766	-	1142	-	1724	-	317	-	479
10	5.3	278	576	695	-	626	1297	1565	-	173	360	434	-
10	5.3	-	411	-	592	-	926	-	1333	-	257	-	370
8	8.4	151	271	343	-	340	611	772	-	94	169	214	-
8	8.4	-	214	-	280	-	481	-	631	-	133	-	175
6	13.3	103	156	246	204	232	351	554	460	64	97	154	128
4	21.2	79	117	151	151	179	264	340	340	49	73	94	94
3	26.7	70	101	128	128	158	228	289	289	44	63	80	80
2	33.6	61	86	108	108	139	195	243	243	38	54	67	67
1	42.4	47	63	80	80	106	142	181	181	29	39	50	50
1/0	53.5	41	54	67	67	92	121	152	152	25	33	42	42
2/0	67.4	35	46	56	56	80	103	127	127	22	28	35	35
3/0	85.1	30	38	47	47	69	87	106	106	19	24	29	29
4/0	107.2	26	32	39	39	59	73	87	87	16	20	24	24
250	127	21	26	31	31	48	59	71	71	13	16	19	19
300	152	18	22	27	27	42	51	61	61	11	14	17	17
350	177	16	20	24	24	37	45	54	54	10	12	15	15
400	203	15	18	21	21	34	41	48	48	9	11	13	13
500	253	13	15	17	17	29	34	40	40	8	9	11	11
600	304	10	12	14	14	24	28	32	31	6	7	9	8
700	355	9	11	12	12	21	24	28	27	5	6	7	7
750	380	9	10	12	11	20	23	27	26	5	6	7	7
800	405	8	9	11	11	19	22	25	25	5	6	7	6
900	456	7	9	10	10	17	20	23	22	4	5	6	6
1000	507	7	8	9	9	16	18	21	20	4	5	5	5
1250	633	5	6	-	7	13	14	-	16	3	4	-	4
1500	760	5	5	-	6	11	12	-	13	3	3	-	3
1750	887	4	4	-	5	9	11	-	12	2	3	-	3
2000	1013	3	4	-	4	8	9	-	10	2	2	-	3

CONDUCTOR SIZE AWG-MCM	12" x 6" [305mm x 152mm] (14.4 sq. in. [9305mm <sup>2</sup> ])				18" x 6" [457mm x 152mm] (21.6 sq. in. [13957mm <sup>2</sup> ])				24" x 6" [610mm x 152mm] (28.8 sq. in. [18609mm <sup>2</sup> ])				
	A	B	C	D	A	B	C	D	A	B	C	D	
18	0.8	862	1636	2322	-	1293	2454	3483	-	1724	3272	4645	-
16	1.3	734	1321	1822	-	1102	1981	2734	-	1469	2642	3645	-
14	2.1	626	1066	1655	-	939	1600	2482	-	1252	2133	3310	-
14	2.1	440	-	-	-	660	-	-	-	880	-	-	-
14	2.1	-	699	-	1099	-	1048	-	1648	-	1398	-	2198
12	3.3	517	837	1230	-	776	1255	1846	-	1035	1674	2461	-
12	3.3	375	-	-	-	562	-	-	-	750	-	-	-
12	3.3	-	571	-	862	-	857	-	1293	-	1142	-	1724
10	5.3	313	648	782	-	469	972	1173	-	626	1297	1565	-
10	5.3	-	463	-	666	-	694	-	1000	-	926	-	1330
8	8.4	170	305	386	-	255	458	579	-	340	611	772	-
8	8.4	-	240	-	315	-	361	-	473	-	481	-	631
6	13.3	116	175	277	230	174	263	416	345	232	351	554	460
4	21.2	89	132	170	170	134	198	255	255	179	264	340	340
3	26.7	79	114	144	144	118	171	217	217	158	228	289	289
2	33.6	69	97	121	121	104	146	182	182	139	195	243	243
1	42.4	53	71	90	90	79	106	135	135	106	142	181	181
1/0	53.5	46	60	76	76	69	91	114	114	92	121	152	152
2/0	67.4	40	51	63	63	60	77	95	95	80	103	127	127
3/0	85.1	34	43	53	53	52	65	79	79	69	87	106	106
4/0	107.2	29	36	43	43	44	55	65	65	59	73	87	87
250	127	24	29	35	35	36	44	53	53	48	59	71	71
300	152	21	25	30	30	31	38	46	46	42	51	61	61
350	177	18	22	27	27	28	34	40	40	37	45	54	54
400	203	17	20	24	24	25	30	36	36	34	41	48	48
500	253	14	17	20	20	21	25	30	30	29	34	40	40
600	304	12	14	16	15	18	21	24	23	24	28	32	31
700	355	10	12	14	13	16	18	21	20	21	24	28	27
750	380	10	11	13	13	15	17	20	19	20	23	27	26
800	405	9	11	12	12	14	16	19	18	19	22	25	25
900	456	8	10	11	11	13	15	17	17	17	20	23	22
1000	507	8	9	10	10	12	13	15	15	16	18	21	20
1250	633	6	7	-	8	9	11	-	12	13	14	-	16
1500	760	5	6	-	6	8	9	-	10	11	12	-	13
1750	887	4	5	-	6	7	8	-	9	9	11	-	12
2000	1013	4	4	-	5	6	7	-	8	8	9	-	10

Note: Letters "A", "B", "C", and "D" refer to conductor insulation types specified on page 7.

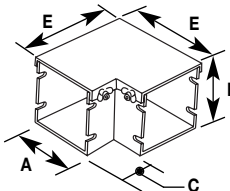
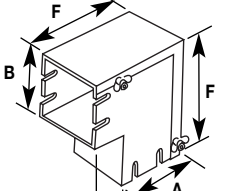
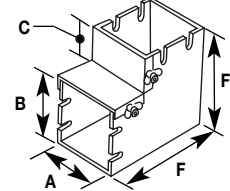
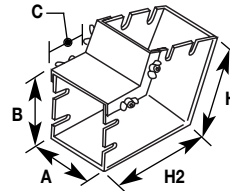
## SpecMate Type 1 Wireway Systems Ordering Information\*

STANDARD SIZES	[mm]	GAUGE	10' [3.050m] LENGTH	5' [1.525m] LENGTH	2' [610mm] LENGTH	1' [305mm] LENGTH
2 1/2" x 2 1/2"	64 x 64	16	<b>C1250</b>	<b>C1255</b>	<b>C1252</b>	<b>C1251</b>
4" x 4"	102 x 102	16	<b>C1400</b>	<b>C1405</b>	<b>C1402</b>	<b>C1401</b>
6" x 6"	152 x 152	16	<b>C1600</b>	<b>C1605</b>	<b>C1602</b>	<b>C1601</b>
8" x 8"	203 x 203	16	<b>C1800</b>	<b>C1805</b>	<b>C1802</b>	<b>C1801</b>
12" x 12"	305 x 305	16	<b>C11200</b>	<b>C11205</b>	<b>C11202</b>	<b>C11201</b>
10" x 4"	254 x 102	16	<b>C110-40</b>	<b>C110-45</b>	<b>C110-42</b>	<b>C110-41</b>
12" x 6"	305 x 152	16	<b>C112-60</b>	<b>C112-65</b>	<b>C112-62</b>	<b>C112-61</b>
18" x 6"	457 x 152	14	<b>C118-60</b>	<b>C118-65</b>	<b>C118-62</b>	<b>C118-61</b>
24" x 6"	610 x 152	12	<b>C124-60</b>	<b>C124-65</b>	<b>C124-62</b>	<b>C124-61</b>

NOTE: One coupling required for each length of wireway.

\* Factory installed divider optional. For equally divided two compartment wireway, add suffix "D" (i.e., C1400D).

## SpecMate Type 1 Wireway Systems Fittings Ordering Information

Catalog No./Item	Corresponding Wireway Size		Catalog No./Item	Corresponding Wireway Size	
<b>90° Flat Elbow*</b>					
C125E	2 1/2" x 2 1/2"	[64mm x 64mm]	<b>90° Vertical Outside Elbow*</b>		
C14E	4" x 4"	[102mm x 102mm]	C125EVO	2 1/2" x 2 1/2"	[64mm x 64mm]
C16E	6" x 6"	[152mm x 152mm]	C14EVO	4" x 4"	[102mm x 102mm]
C18E	8" x 8"	[203mm x 203mm]	C16EVO	6" x 6"	[152mm x 152mm]
C112E	12" x 12"	[305mm x 305mm]	C18EVO	8" x 8"	[203mm x 203mm]
C110-4E	10" x 4"	[254mm x 102mm]	C112EVO	12" x 12"	[305mm x 305mm]
C112-6E	12" x 6"	[305mm x 152mm]	C110-4EVO	10" x 4"	[254mm x 102mm]
C118-6E	18" x 6"	[457mm x 152mm]	C112-6EVO	12" x 6"	[305mm x 152mm]
C124-6E	24" x 6"	[610mm x 152mm]	C118-6EVO	18" x 6"	[457mm x 152mm]
			C124-6EVO	24" x 6"	[610mm x 152mm]
	One coupling required with each fitting.			One coupling required with each fitting.	
	Shown: C14E			Shown: C14EVO	
<b>90° Vertical Inside Elbow*</b>					
C125EVI	2 1/2" x 2 1/2"	[64mm x 64mm]	<b>45° Vertical Inside Elbow*</b>		
C14EVI	4" x 4"	[102mm x 102mm]	C125E45VI	2 1/2" x 2 1/2"	[64mm x 64mm]
C16EVI	6" x 6"	[152mm x 152mm]	C14E45VI	4" x 4"	[102mm x 102mm]
C18EVI	8" x 8"	[203mm x 203mm]	C16E45VI	6" x 6"	[152mm x 152mm]
C112EVI	12" x 12"	[305mm x 305mm]	C18E45VI	8" x 8"	[203mm x 203mm]
C110-4EVI	10" x 4"	[254mm x 102mm]	C112E45VI	12" x 12"	[305mm x 305mm]
C112-6EVI	12" x 6"	[305mm x 152mm]	C110-4E45VI	10" x 4"	[254mm x 102mm]
C118-6EVI	18" x 6"	[457mm x 152mm]	C112-6E45VI	12" x 6"	[305mm x 152mm]
C124-6EVI	24" x 6"	[610mm x 152mm]	C118-6E45VI	18" x 6"	[457mm x 152mm]
			C124-6E45VI	24" x 6"	[610mm x 152mm]
	One coupling required with each fitting.			One coupling required with each fitting.	
	Shown: C14EVI			Shown: C14E45VI	

\* See dimension reference chart on page 8.

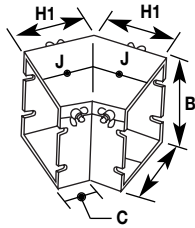
NOTE: For equally divided, two compartment fittings, add suffix "D" (i.e., C125TD).

## SpecMate Type 1 Wireway Systems Fittings Ordering Information (continued)

**Catalog No./Item**                      **Corresponding Wireway Size**

### 45° Flat Elbow\*

C125E45	2 1/2" x 2 1/2"	[64mm x 64mm]
C14E45	4" x 4"	[102mm x 102mm]
C16E45	6" x 6"	[152mm x 152mm]
C18E45	8" x 8"	[203mm x 203mm]
C112E45	12" x 12"	[305mm x 305mm]
C110-4E45	10" x 4"	[254mm x 102mm]
C112-6E45	12" x 6"	[305mm x 152mm]
C118-6E45	18" x 6"	[457mm x 152mm]
C124-6E45	24" x 6"	[610mm x 152mm]

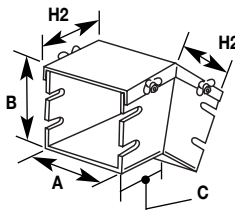


One coupling required with each fitting.

Shown: C14E45

### 45° Vertical Outside Elbow\*

C125E45VO	2 1/2" x 2 1/2"	[64mm x 64mm]
C14E45VO	4" x 4"	[102mm x 102mm]
C16E45VO	6" x 6"	[152mm x 152mm]
C18E45VO	8" x 8"	[203mm x 203mm]
C112E45VO	12" x 12"	[305mm x 305mm]
C110-4E45VO	10" x 4"	[254mm x 102mm]
C112-6E45VO	12" x 6"	[305mm x 152mm]
C118-6E45VO	18" x 6"	[457mm x 152mm]
C124-6E45VO	24" x 6"	[610mm x 152mm]

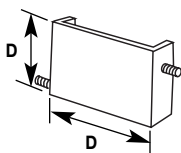


One coupling required with each fitting.

Shown: C14E45VO

### End Blank

C125EB	2 1/2" x 2 1/2"	[64mm x 64mm]
C14EB	4" x 4"	[102mm x 102mm]
C16EB	6" x 6"	[152mm x 152mm]
C18EB	8" x 8"	[203mm x 203mm]
C112EB	12" x 12"	[305mm x 305mm]
C110-4EB	10" x 4"	[254mm x 102mm]
C112-6EB	12" x 6"	[305mm x 152mm]
C118-6EB	18" x 6"	[457mm x 152mm]
C124-6EB	24" x 6"	[610mm x 152mm]

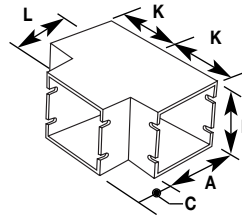


Shown: C14EB

**Catalog No./Item**                      **Corresponding Wireway Size**

### TEE\*

C125T	2 1/2" x 2 1/2"	[64mm x 64mm]
C14T	4" x 4"	[102mm x 102mm]
C16T	6" x 6"	[152mm x 152mm]
C18T	8" x 8"	[203mm x 203mm]
C112T	12" x 12"	[305mm x 305mm]
C110-4T	10" x 4"	[254mm x 102mm]
C112-6T	12" x 6"	[305mm x 152mm]
C118-6T	18" x 6"	[457mm x 152mm]
C124-6T	24" x 6"	[610mm x 152mm]

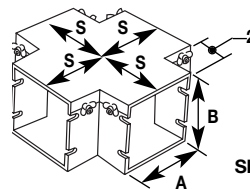


Two couplings required with each fitting.

Shown: C14T

### Cross\*

C125X	2 1/2" x 2 1/2"	[64mm x 64mm]
C14X	4" x 4"	[102mm x 102mm]
C16X	6" x 6"	[152mm x 152mm]
C18X	8" x 8"	[203mm x 203mm]
C112X	12" x 12"	[305mm x 305mm]
C110-4X	10" x 4"	[254mm x 102mm]
C112-6X	12" x 6"	[305mm x 152mm]
C118-6X	18" x 6"	[457mm x 152mm]
C124-6X	24" x 6"	[610mm x 152mm]

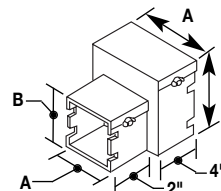


Three couplings required with each fitting.

Shown: C14X

### Reducer\*

C14R25	4" x 4" to 2 1/2" x 2 1/2"	[102mm x 102mm] to [64mm x 64mm]
C16R4	6" x 6" to 4" x 4"	[152mm x 152mm] to [102mm x 102mm]
C18R6	8" x 8" to 6" x 6"	[203mm x 203mm] to [152mm x 152mm]
C112R8	12" x 12" to 8" x 8"	[305mm x 305mm] to [203mm x 203mm]
C112-6R6	12" x 6" to 6" x 6"	[305mm x 152mm] to [152mm x 152mm]
C118-6R12-6	18" x 6" to 12" x 6"	[457mm x 152mm] to [305mm x 152mm]
C124-6R18-6	24" x 6" to 18" x 6"	[610mm x 152mm] to [457mm x 152mm]



One coupling of each size required with each fitting.

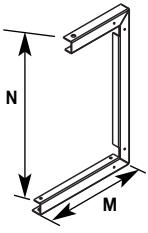
Shown: C14R25

\* See dimension reference chart on page 8.

NOTE: For equally divided, two compartment fittings, add suffix "D" (i.e., C125TD).

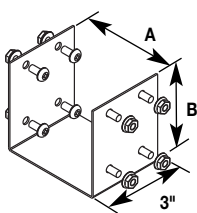
## SpecMate Type 1 Wireway Systems Fittings Ordering Information (continued)

Catalog No./Item	Corresponding Wireway Size	
<b>C Hanger*</b>		
C125H	2 1/2" x 2 1/2"	[64mm x 64mm]
C14H	4" x 4"	[102mm x 102mm]
C16H	6" x 6"	[152mm x 152mm]
C18H	8" x 8"	[203mm x 203mm]
C112H	12" x 12"	[305mm x 305mm]
C110-4H	10" x 4"	[254mm x 254mm]
C112-6H	12" x 6"	[305mm x 152mm]



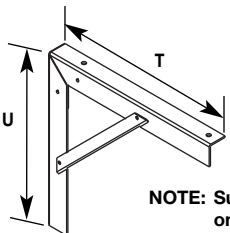
Shown: C110-4H

Catalog No./Item	Corresponding Wireway Size	
<b>Coupling*</b>		
C125C	2 1/2" x 2 1/2"	[64mm x 64mm]
C14C	4" x 4"	[102mm x 102mm]
C16C	6" x 6"	[152mm x 152mm]
C18C	8" x 8"	[203mm x 203mm]
C112C	12" x 12"	[305mm x 305mm]
C110-4C	10" x 4"	[254mm x 102mm]
C112-6C	12" x 6"	[305mm x 152mm]
C118-6C	18" x 6"	[457mm x 152mm]
C124-6C	24" x 6"	[610mm x 152mm]



Shown: C14C

Catalog No./Item	Corresponding Wireway Size	
<b>Bracket Hanger*</b>		
C125BH	2 1/2" x 2 1/2"	[64mm x 64mm]
C14BH	4" x 4"	[102mm x 102mm]
C16BH	6" x 6"	[152mm x 152mm]
C18BH	8" x 8"	[203mm x 203mm]
C112BH	12" x 12"	[305mm x 305mm]
C110-4BH	10" x 4"	[254mm x 102mm]
C112-6BH	12" x 6"	[305mm x 152mm]
C118-6BH	18" x 6"	[457mm x 152mm]
C124-6BH	24" x 6"	[610mm x 152mm]



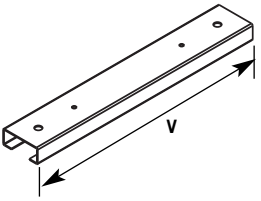
Shown: C112BH

NOTE: Support gusset appears only on 12" or wider hangers.

\* See dimension reference chart on page 8.  
 NOTE: For equally divided, two compartment fittings, add suffix "D" (i.e., C125TD).

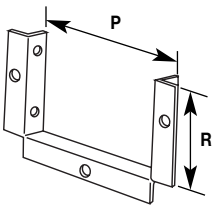
Catalog No./Item	Corresponding Wireway Size	
<b>Trapeze Hanger*</b>		
C125TH	2 1/2" x 2 1/2"	[64mm x 64mm]
C14TH	4" x 4"	[102mm x 102mm]
C16TH	6" x 6"	[152mm x 152mm]
C18TH	8" x 8"	[203mm x 203mm]
C112TH	12" x 12"	[305mm x 305mm]
C110-4TH	10" x 4"	[254mm x 102mm]
C112-6TH	12" x 6"	[305mm x 152mm]
C118-6TH	18" x 6"	[457mm x 152mm]
C124-6TH	24" x 6"	[610mm x 152mm]

Hanger recommended for use with wireways more than 12 inches [305mm] wide. Also available for smaller wireways.



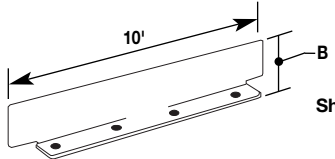
Shown: C112TH

Catalog No./Item	Corresponding Wireway Size	
<b>Panel Flange</b>		
C125F	2 1/2" x 2 1/2"	[64mm x 64mm]
C14F	4" x 4"	[102mm x 102mm]
C16F	6" x 6"	[152mm x 152mm]
C18F	8" x 8"	[203mm x 203mm]
C112F	12" x 12"	[305mm x 305mm]
C110-4F	10" x 4"	[254mm x 102mm]
C112-6F	12" x 6"	[305mm x 152mm]
C118-6F	18" x 6"	[457mm x 152mm]
C124-6F	24" x 6"	[610mm x 152mm]



Shown: C14F

Barrier - Field Installed		
Catalog No./Item	Description/Specification	
C125FB	2 1/2" x 120"	[64mm x 3m]
C14FB	4" x 120"	[102mm x 3m]
C16FB	6" x 120"	[152mm x 3m]
C18FB	8" x 120"	[203mm x 3m]
C112FB	12" x 120"	[305mm x 3m]



Shown: C14FB

## SpecMate Type Wireway Systems Specifications

CONDUCTOR SIZE AWG-MCM [mm <sup>2</sup> ]		Area of Conductor (sq. in.)							
		A RFH-2, RH, RHH, RHW**, SF-2** sq. in. [mm <sup>2</sup> ]		B TF, TH, THW, TW† sq. in. [mm <sup>2</sup> ]		C TFN, THHN, T90, THWN sq. in. [mm <sup>2</sup> ]		D XHHW, ZW†† sq. in. [mm <sup>2</sup> ]	
18	0.8	.0167	11	.0088	6	.0062	4	-	-
16	1.3	.0196	13	.0109	7	.0079	5	-	-
14	2.1	.0230	15	.0135	9	.0087	6	-	-
14	2.1	.0327*	-	-	-	-	-	-	-
14	2.1	-	-	.0206†	13	-	-	.0131	8
12	3.3	.0278	18	.0172	11	.0117	8	-	-
12	3.3	.0384*	-	-	-	-	-	-	-
12	3.3	-	-	.0252†	16	-	-	.0167	11
10	5.3	.0460	30	.0222	14	.0184	12	-	-
10	5.3	-	-	.0311	20	-	-	.0216	14
8	8.4	.0845	55	.0471	30	.0373	24	-	-
8	8.4	-	-	.0598†	39	-	-	.0456	29
6	13.3	.1238	80	.0819	53	.0519	33	.0625	40
4	21.2	.1605	104	.1087	70	.0845	55	.0845	55
3	26.7	.1817	117	.1263	81	.0995	64	.0995	64
2	33.6	.2067	133	.1473	95	.1182	76	.1182	76
1	42.4	.2715	175	.2027	131	.1590	103	.1590	103
1/0	53.5	.3107	200	.2367	153	.1893	122	.1893	122
2/0	67.4	.3578	231	.2781	179	.2265	146	.2265	146
3/0	85.1	.4151	268	.3288	212	.2715	175	.2715	175
4/0	107.2	.4840	312	.3904	252	.3278	211	.3278	211
250	127.0	.5917	382	.4877	315	.4026	260	.4026	260
300	152.0	.6837	441	.5581	360	.4669	301	.4669	301
350	177.0	.7620	492	.6291	406	.5307	342	.5307	342
400	203.0	.8365	540	.6969	450	.5931	383	.5931	383
500	253.0	.9834	634	.8316	537	.7163	462	.7163	462
600	304.0	1.1940	770	1.0261	662	.8791	567	.9043	583
700	355.0	1.3355	862	1.1575	747	1.0011	646	1.0297	664
750	380.0	1.4082	909	1.2252	790	1.0623	685	1.0936	706
800	405.0	1.4784	954	1.2908	833	1.1234	725	1.1499	742
900	456.0	1.6173	1043	1.4208	917	1.2449	803	1.2668	817
1000	507.0	1.7530	1131	1.5482	999	1.3623	879	1.3893	896
1250	633.0	2.2062	1423	1.9532	1260	-	-	1.7671	1140
1500	760.0	2.5475	1644	2.2751	1468	-	-	2.0612	1330
1750	887.0	2.8832	1860	2.5930	1673	-	-	2.3779	1534
2000	1013	3.2079	2070	2.9013	1872	-	-	2.6590	1715

\* Dimensions of RHH and RHW.

\*\* Dimensions of RHH and RHW without outer covering are the same as THW No. 18 through No. 10, solid as well as No. 8 and larger, stranded.

† Dimensions of THW in sizes No. 14 through No. 8. No. 6 THW and larger are the same dimension as TW.

†† No. 14 through No. 2.

An overhead SpecMate  
Wireway installation in an  
industrial space.



## SpecMate Type Wireway Systems Specifications (continued)

### Dimension Reference Chart

SIZE:	2 1/2 x 2 1/2		4 x 4		6 x 6		8 x 8		12 x 12		10 x 4		12 x 6		18 x 6		24 x 6	
DIMENSION:	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
<b>AxB</b>	2 1/2 x 2 1/2	64 x 64	4 x 4	102 x 102	6 x 6	152 x 152	8 x 8	203 x 203	12 x 12	305 x 305	10 x 4	254 x 102	12 x 6	305 x 152	18 x 6	457 x 152	24 x 6	610 x 152
<b>C</b>	2	51	2	51	2	51	2	51	2	51	2	51	2	51	2	51	2	51
<b>D1</b>	2 7/16	62	3 15/16	100	5 15/16	150	7 15/16	201	11 15/16	303	9 15/16	252	11 15/16	303	17 15/16	455	23 15/16	608
<b>D2</b>	2 7/16	62	3 15/16	100	5 15/16	150	7 15/16	201	11 15/16	303	3 15/16	100	5 15/16	150	5 15/16	150	5 15/16	150
<b>E</b>	4 5/8	118	6 1/8	156	8 1/8	206	10 1/8	257	14 1/8	359	12 1/8	308	14 1/8	359	20 1/8	511	26 1/8	664
<b>F</b>	4 5/8	118	6 1/8	156	8 1/8	206	10 1/8	257	14 1/8	359	6 1/8	156	8 1/8	206	8 1/8	206	8 1/8	206
<b>H1</b>	3 1/16	78	3 3/4	95	4 9/16	116	5 3/8	137	7	178	6 3/16	157	7	178	9 1/2	241	12	305
<b>H2</b>	3 1/16	78	3 3/4	95	4 9/16	116	5 3/8	137	7	178	3 3/4	95	4 9/16	116	4 9/16	116	4 9/16	116
<b>J</b>	2 1/2	64	2 7/8	73	3 5/16	84	3 11/16	94	4 1/2	114	4 3/32	104	4 1/2	114	5 3/4	146	7	178
<b>K</b>	3 5/16	84	4 1/16	103	5 1/16	128	6 1/16	154	8 1/16	205	7 1/16	179	8 1/16	205	11 1/16	281	14 1/16	357
<b>L</b>	3 1/4	83	4	102	5	127	6	153	8	204	7	178	8	204	11	280	14	356
<b>M</b>	3 1/8	79	4 5/8	118	6 5/8	168	8 5/8	219	12 5/8	321	10 5/8	270	12 5/8	321	N/A	N/A	N/A	N/A
<b>N</b>	7	177	10	254	14	356	18	457	26	660	16	406	20	506	N/A	N/A	N/A	N/A
<b>P</b>	2 5/16	59	3 13/16	97	5 3/4	146	7 3/4	197	11 3/4	298	9 3/4	248	11 3/4	298	17 3/4	451	23 3/4	603
<b>R</b>	1 5/8	41	3 1/2	89	4 1/2	114	6 5/8	168	10 5/8	270	3 1/2	89	4 1/2	114	4 1/2	114	4 1/2	114
<b>S</b>	3 5/16	84	4 1/16	103	5 1/16	129	6 1/16	154	8 1/16	205	7 1/16	179	8 1/16	205	11 1/16	281	14 1/16	357
<b>T</b>	4 1/8	105	5 5/8	143	7 5/8	194	9 5/8	245	13 5/8	346	11 5/8	295	13 5/8	346	19 5/8	498	25 5/8	651
<b>U</b>	3 1/8	79	4 5/8	118	6 5/8	168	8 5/8	219	12 5/8	321	10 5/8	270	12 5/8	321	18 5/8	473	24 5/8	626
<b>V</b>	8 1/2	216	10	254	12	305	14	356	18	457	16	406	18	457	24	610	30	762
<b>W</b>	1 5/8	41	3 1/2	89	4 1/2	114	6 1/2	165	9 1/2	241	3 1/2	89	4 1/2	114	4 1/2	114	4 1/2	114

### SpecMate Wireway Type 1 System Capacity Chart (Conductor size based on bending space.)

Smaller Inside Dim. of Wireway		Maximum Conductor Size	
Inches	[mm]	AWG or MCM	[mm <sup>2</sup> ]
1 1/4	32	6 AWG	13
2	51	3 AWG	27
2 1/2	64	2 AWG	34
3	75	1 AWG	42
3 1/2	89	2/0 AWG	67
4	102	4/0 AWG	107
4 1/2	114	250 MCM	127
5	127	350 MCM	177
6	152	500 MCM	253
8	203	900 MCM	456
10	254	1250 MCM	633
12	305	2000 MCM	1013

**NOTE:** This chart limits the maximum conductor size when conductors are entering the wireway through the side.



#### Electrical Wiring Systems

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