

# WIRE AND TUBING

## Wiring and Tubing Chart

Gauge	Wall Type	OD Range	ID Range	Wall
6	RW	.2020 - .2040	.1700 - .1760	0.0150
	TW	.2020 - .2040	.1800 - .1860	0.0100
7	RW	.1790 - .1810	.1470 - .1530	0.0150
	TW	.1790 - .1810	.1570 - .1630	0.0100
8	RW	.1640 - .1660	.1320 - .1380	0.0155
	TW	.1640 - .1660	.1420 - .1480	0.0100
9	RW	.1470 - .1490	.1150 - .1210	0.0150
	TW	.1470 - .1490	.1250 - .1310	0.0100
10	RW	.1330 - .1350	.1040 - .1080	0.0140
	TW	.1330 - .1350	.1120 - .1160	0.0100
	ETW	.1330 - .1350	.1160 - .1200	0.0080
11	UTW	.1330 - .1350	.1200 - .1240	0.0060
	MTW	.1330 - .1350	.1240 - .1280	0.0040
	RW	.1190 - .1210	.0920 - .0960	0.0130
12	TW	.1190 - .1210	.0980 - .1020	0.0100
	ETW	.1190 - .1210	.1020 - .1060	0.0080
	UTW	.1190 - .1210	.1060 - .1100	0.0060
13	MTW	.1190 - .1210	.1100 - .1140	0.0040
	RW	.1080 - .1100	.0830 - .0870	0.0120
	TW	.1080 - .1100	.0890 - .0930	0.0090
14	ETW	.1080 - .1100	.0930 - .0970	0.0070
	UTW	.1080 - .1100	.0970 - .1010	0.0050
	MTW	.1080 - .1100	.1010 - .1050	0.0030
15	RW	.0940 - .0960	.0690 - .0730	0.0120
	TW	.0940 - .0960	.0750 - .0790	0.0090
	ETW	.0940 - .0960	.0790 - .0830	0.0070
16	UTW	.0940 - .0960	.0830 - .0870	0.0050
	MTW	.0940 - .0960	.0880 - .0920	0.0030
	RW	.0820 - .0840	.0610 - .0650	0.0100
17	TW	.0820 - .0840	.0660 - .0685	0.0080
	ETW	.0820 - .0840	.0710 - .0730	0.0055
	UTW	.0820 - .0840	.0730 - .0760	0.0045
18	MTW	.0820 - .0840	.0760 - .0790	0.0030
	RW	.0715 - .0725	.0525 - .0555	0.0090
	TW	.0715 - .0725	.0595 - .0615	0.0060
19	ETW	.0715 - .0725	.0615 - .0635	0.0050
	UTW	.0715 - .0725	.0635 - .0655	0.0040
	MTW	.0715 - .0725	.0655 - .0675	0.0030
20	RW	.0645 - .0655	.0455 - .0485	0.0080
	TW	.0645 - .0655	.0525 - .0545	0.0060
	ETW	.0645 - .0655	.0545 - .0565	0.0050
21	UTW	.0645 - .0655	.0565 - .0585	0.0040
	MTW	.0645 - .0655	.0585 - .0605	0.0030
	RW	.0575 - .0585	.0405 - .0435	0.0080
22	TW	.0575 - .0585	.0465 - .0485	0.0050
	ETW	.0575 - .0585	.0490 - .0510	0.0040
	UTW	.0575 - .0585	.0510 - .0530	0.0030
23	MTW	.0575 - .0585	.0530 - .0550	0.0020
	RW	.0495 - .0505	.0315 - .0345	0.0085
	TW	.0495 - .0505	.0375 - .0395	0.0060
24	ETW	.0495 - .0505	.0410 - .0430	0.0040
	UTW	.0495 - .0505	.0430 - .0450	0.0030
	MTW	.0495 - .0505	.0450 - .0470	0.0020
25	RW	.0415 - .0425	.0255 - .0285	0.0075
	TW	.0415 - .0425	.0315 - .0335	0.0050
	ETW	.0415 - .0425	.0340 - .0360	0.0035
26	UTW	.0415 - .0425	.0360 - .0380	0.0025
	MTW	.0415 - .0425	.0380 - .0400	0.0015
	RW	.0355 - .0360	.0230 - .0245	0.0060
27	TW	.0355 - .0360	.0255 - .0270	0.0050
	ETW	.0355 - .0360	.0270 - .0285	0.0040
	UTW	.0355 - .0360	.0290 - .0305	0.0030
28	MTW	.0355 - .0360	.0310 - .0325	0.0020
	RW	.0320 - .0325	.0195 - .0210	0.0060
	TW	.0320 - .0325	.0225 - .0240	0.0045
29	ETW	.0320 - .0325	.0245 - .0260	0.0035
	UTW	.0320 - .0325	.0265 - .0280	0.0025
	MTW	.0320 - .0325	.0285 - .0300	0.0015

Gauge	Wall Type	OD Range	ID Range	Wall
6	RW	.2020 - .2040	.1700 - .1760	0.0150
	TW	.2020 - .2040	.1800 - .1860	0.0100
7	RW	.1790 - .1810	.1470 - .1530	0.0150
	TW	.1790 - .1810	.1570 - .1630	0.0100
8	RW	.1640 - .1660	.1320 - .1380	0.0155
	TW	.1640 - .1660	.1420 - .1480	0.0100
9	RW	.1470 - .1490	.1150 - .1210	0.0150
	TW	.1470 - .1490	.1250 - .1310	0.0100
10	RW	.1330 - .1350	.1040 - .1080	0.0140
	TW	.1330 - .1350	.1120 - .1160	0.0100
	ETW	.1330 - .1350	.1160 - .1200	0.0080
11	UTW	.1330 - .1350	.1200 - .1240	0.0060
	MTW	.1330 - .1350	.1240 - .1280	0.0040
	RW	.1190 - .1210	.0920 - .0960	0.0130
12	TW	.1190 - .1210	.0980 - .1020	0.0100
	ETW	.1190 - .1210	.1020 - .1060	0.0080
	UTW	.1190 - .1210	.1060 - .1100	0.0060
13	MTW	.1190 - .1210	.1100 - .1140	0.0040
	RW	.1080 - .1100	.0830 - .0870	0.0120
	TW	.1080 - .1100	.0890 - .0930	0.0090
14	ETW	.1080 - .1100	.0930 - .0970	0.0070
	UTW	.1080 - .1100	.0970 - .1010	0.0050
	MTW	.1080 - .1100	.1010 - .1050	0.0030
15	RW	.0940 - .0960	.0690 - .0730	0.0120
	TW	.0940 - .0960	.0750 - .0790	0.0090
	ETW	.0940 - .0960	.0790 - .0830	0.0070
16	UTW	.0940 - .0960	.0830 - .0870	0.0050
	MTW	.0940 - .0960	.0880 - .0920	0.0030
	RW	.0820 - .0840	.0610 - .0650	0.0100
17	TW	.0820 - .0840	.0660 - .0685	0.0080
	ETW	.0820 - .0840	.0710 - .0730	0.0055
	UTW	.0820 - .0840	.0730 - .0760	0.0045
18	MTW	.0820 - .0840	.0760 - .0790	0.0030
	RW	.0715 - .0725	.0525 - .0555	0.0090
	TW	.0715 - .0725	.0595 - .0615	0.0060
19	ETW	.0715 - .0725	.0615 - .0635	0.0050
	UTW	.0715 - .0725	.0635 - .0655	0.0040
	MTW	.0715 - .0725	.0655 - .0675	0.0030
20	RW	.0645 - .0655	.0455 - .0485	0.0080
	TW	.0645 - .0655	.0525 - .0545	0.0060
	ETW	.0645 - .0655	.0545 - .0565	0.0050
21	UTW	.0645 - .0655	.0565 - .0585	0.0040
	MTW	.0645 - .0655	.0585 - .0605	0.0030
	RW	.0575 - .0585	.0405 - .0435	0.0080
22	TW	.0575 - .0585	.0465 - .0485	0.0050
	ETW	.0575 - .0585	.0490 - .0510	0.0040
	UTW	.0575 - .0585	.0510 - .0530	0.0030
23	MTW	.0575 - .0585	.0530 - .0550	0.0020
	RW	.0495 - .0505	.0315 - .0345	0.0085
	TW	.0495 - .0505	.0375 - .0395	0.0060
24	ETW	.0495 - .0505	.0410 - .0430	0.0040
	UTW	.0495 - .0505	.0430 - .0450	0.0030
	MTW	.0495 - .0505	.0450 - .0470	0.0020
25	RW	.0415 - .0425	.0255 - .0285	0.0075
	TW	.0415 - .0425	.0315 - .0335	0.0050
	ETW	.0415 - .0425	.0340 - .0360	0.0035
26	UTW	.0415 - .0425	.0360 - .0380	0.0025
	MTW	.0415 - .0425	.0380 - .0400	0.0015
	RW	.0355 - .0360	.0230 - .0245	0.0060
27	TW	.0355 - .0360	.0255 - .0270	0.0050
	ETW	.0355 - .0360	.0270 - .0285	0.0040
	UTW	.0355 - .0360	.0290 - .0305	0.0030
28	MTW	.0355 - .0360	.0310 - .0325	0.0020
	RW	.0320 - .0325	.0195 - .0210	0.0060
	TW	.0320 - .0325	.0225 - .0240	0.0045
29	ETW	.0320 - .0325	.0245 - .0260	0.0035
	UTW	.0320 - .0325	.0265 - .0280	0.0025
	MTW	.0320 - .0325	.0285 - .0300	0.0015

# WIRE AND TUBING

## Wiring and Tubing Chart

Gauge	Wall Type	OD Range	ID Range	Wall	Gauge	Wall Type	OD Range	ID Range	Wall	
22	RW	.0280 - .0285	.0155 - .0170	0.0060	29	RW	.0130 - .0135	.0065 - .0080	0.0030	
	TW	.0280 - .0285	.0190 - .0205	0.0040		TW	.0130 - .0135	.0080 - .0090	0.0025	
	ETW	.0280 - .0285	.0215 - .0230	0.0030		ETW	.0130 - .0135	.0090 - .0100	0.0020	
	UTW	.0280 - .0285	.0235 - .0250	0.0020		UTW	.0130 - .0135	.0100 - .0110	0.0015	
	MTW	.0280 - .0285	.0255 - .0270	0.0010		MTW	.0130 - .0135	.0110 - .0120	0.0010	
23	RW	.0250 - .0255	.0125 - .0140	0.0060	30	RW	.0120 - .0125	.0055 - .0070	0.0030	
	TW	.0250 - .0255	.0165 - .0180	0.0040		TW	.0120 - .0125	.0070 - .0080	0.0025	
	ETW	.0250 - .0255	.0185 - .0200	0.0030		ETW	.0120 - .0125	.0080 - .0090	0.0020	
	UTW	.0250 - .0255	.0205 - .0220	0.0020		UTW	.0120 - .0125	.0090 - .0100	0.0015	
	MTW	.0250 - .0255	.0225 - .0240	0.0010		MTW	.0120 - .0125	.0100 - .0110	0.0010	
24	RW	.0220 - .0225	.0115 - .0130	0.0050	31	RW	.0100 - .0105	.0040 - .0055	0.0025	
	TW	.0220 - .0225	.0135 - .0155	0.0040		TW	.0100 - .0105	.0055 - .0070	0.0020	
	ETW	.0220 - .0225	.0155 - .0170	0.0030		ETW	.0100 - .0105	.0070 - .0080	0.0015	
	UTW	.0220 - .0225	.0175 - .0190	0.0020		UTW	.0100 - .0105	.0080 - .0090	0.0010	
	MTW	.0220 - .0225	.0195 - .0210	0.0010		32	RW	.0090 - .0095	.0035 - .0050	0.0025
25	RW	.0200 - .0205	.0095 - .0110	0.0050	TW		.0090 - .0095	.0050 - .0060	0.0020	
	TW	.0200 - .0205	.0115 - .0130	0.0040	ETW		.0090 - .0095	.0060 - .0070	0.0015	
	ETW	.0200 - .0205	.0135 - .0150	0.0030	UTW		.0090 - .0095	.0070 - .0080	0.0010	
	UTW	.0200 - .0205	.0155 - .0170	0.0020	33		RW	.0080 - .0085	.0035 - .0050	0.0020
	MTW	.0200 - .0205	.0175 - .0185	0.0010		TW	.0080 - .0085	.0050 - .0060	0.0015	
26	RW	.0180 - .0185	.0095 - .0110	0.0040		ETW	.0080 - .0085	.0060 - .0070	0.0010	
	TW	.0180 - .0185	.0115 - .0130	0.0030		34	RW	.0070 - .0075	.0025 - .0040	0.0020
	ETW	.0180 - .0185	.0130 - .0145	0.0020			TW	.0070 - .0075	.0040 - .0050	0.0015
	UTW	.0180 - .0185	.0145 - .0155	0.0015	ETW		.0070 - .0075	.0060 - .0070	0.0015	
	MTW	.0180 - .0185	.0155 - .0165	0.0010	35		RW	.0050 - .0055	.0015 - .0030	0.0015
27	RW	.0160 - .0165	.0075 - .0090	0.0040			TW	.0050 - .0055	.0030 - .0040	0.0010
	TW	.0160 - .0166	.0095 - .0110	0.0030		36	RW	.0040 - .0045	.0050 - .0060	0.0015
	ETW	.0160 - .0165	.0115 - .0130	0.0020			TW	.0040 - .0045	.0060 - .0070	0.0010
	UTW	.0160 - .0165	.0130 - .0140	0.0015			28	RW	.0140 - .0145	.0065 - .0080
	MTW	.0160 - .0165	.0140 - .0150	0.0010	TW			.0140 - .0145	.0085 - .0100	0.0025
28	RW	.0140 - .0145	.0065 - .0080	0.0035	ETW			.0140 - .0145	.0100 - .0110	0.0020
	TW	.0140 - .0145	.0085 - .0100	0.0025	UTW	.0140 - .0145		.0110 - .0120	0.0015	
	ETW	.0140 - .0145	.0100 - .0110	0.0020	MTW	.0140 - .0145		.0120 - .0130	0.0010	
	UTW	.0140 - .0145	.0110 - .0120	0.0015						
	MTW	.0140 - .0145	.0120 - .0130	0.0010						