

STRANDED CONDUCTORS

Orion Wire Company supplies Stranded Conductors for a variety of electronic and electrical applications. We offer stranded conductors built to meet industry standards as well as customer specific requirements.

Typical 7-strand, 19-strand, Bunched, and Rope-Lay configurations are listed in the tables below. We offer additional sizes, up to 1,500 MCM, and additional configurations.

Please contact us with your requirements to determine how we can help you to make your project a success.



Typical Conductor Materials	
Bare Copper	
Tinned Copper	
Silver Plated Copper	
Nickel Plated Copper	
Resistance Wires	
Copper-Clad Steel	
Copper-Clad Aluminum	
Stainless Steel 304 / 316	
High-Strength Alloys	
Aluminum Wires	
Magnet Wires	

7-Strand Conductors	Nom. OD
22 AWG 7/30	.030"
24 AWG 7/32	.024"
26 AWG 7/34	.019"
28 AWG 7/36	.015"
30 AWG 7/38	.012"
32 AWG 7/40	.009"
34 AWG 7/42	.008"
36 AWG 7/44	.006"
38 AWG 7/46	.005"
40 AWG 7/48	.004"
42 AWG 7/50	.003"
44 AWG 7/52	.002"

19-Strand Conductors	Nom. OD
18 AWG 19/30	.048"
20 AWG 19/32	.038"
22 AWG 19/34	.030"
24 AWG 19/36	.024"
26 AWG 19/38	.019"
28 AWG 19/40	.015"
30 AWG 19/42	.012"
32 AWG 19/44	.010"
34 AWG 19/46	.007"
36 AWG 19/48	.006"
38 AWG 19/50	.005"
40 AWG 19/52	.004"

Bunched Conductors	Nom. OD
18 AWG 16/30	.046"
18 AWG 65/36	.047"
20 AWG 10/30	.036"
20 AWG 42/36	.037"
22 AWG 26/36	.029"
22 AWG 66/40	.029"
24 AWG 42/40	.023"
26 AWG 26/40	.018"
26 AWG 65/44	.019"
28 AWG 16/40	.014"
28 AWG 40/44	.015"
28 AWG 65/46	.015"
29 AWG 52/46	.013"
30 AWG 11/40	.012"
30 AWG 25/44	.012"
30 AWG 41/46	.012"

Rope-Lay Conductors	Nom. OD
4/0 AWG 7x7x43/30	.610"
4/0 AWG 19x7x64/36	.610"
3/0 AWG 7x7x34/30	.542"
3/0 AWG 19x7x51/36	.547"
2/0 AWG 7x7x27/30	.483"
2/0 AWG 7x7x108/36	.483"
1/0 AWG 7x7x22/30	.436"
1/0 AWG 7x7x86/30	.431"
1 AWG 19x44/30	.367"
1 AWG 7x7x68/36	.383"
2 AWG 7x95/30	.319"
2 AWG 7x7x54/36	.342"
4 AWG 7x59/30	.251"
4 AWG 7x7x34/36	.271"
6 AWG 7x37/30	.199"
6 AWG 7x150/36	.200"
6 AWG 7x7x56/40	.216"

Rope-Lay Conductors	Nom. OD
8 AWG 7x24/30	.160"
8 AWG 7x95/36	.159"
8 AWG 7x7x35/40	.171"
10 AWG 7x15/30	.127"
10 AWG 7x37/36	.126"
10 AWG 7x3x52/40	.130"
12 AWG 7x37/36	.099"
12 AWG 7x96/40	.099"
12 AWG 7x7x34/44	.108"
14 AWG 7x24/36	.080"
14 AWG 7x3x21/40	.083"
14 AWG 7x3x50/44	.082"
16 AWG 7x15/36	.063"
16 AWG 7x40/40	.064"
16 AWG 7x95/40	.064"

Rope-Lay Conductors	Nom. OD
18 AWG 7x9/36	.049"
18 AWG 7x24/40	.050"
18 AWG 7x59/44	.050"
20 AWG 7x15/40	.039"
20 AWG 7x37/44	.040"
22 AWG 3x22/40	.031"
22 AWG 7x24/44	.032"
23 AWG 3x50/44	.030"
24 AWG 7x15/44	.025"
24 AWG 3x35/44	.025"
26 AWG 3x22/44	.020"
26 AWG 7x15/46	.020"
26 AWG 3x35/46	.020"

32 AWG 16/44	.009"
32 AWG 26/46	.009"
32 AWG 65/50	.009"
34 AWG 10/44	.007"
34 AWG 16/46	.007"
34 AWG 41/50	.007"
36 AWG 11/46	.006"
36 AWG 26/50	.006"
38 AWG 17/50	.005"
40 AWG 10/50	.004"



From a phone call, a penciled sketch or a completed drawing, we have the ability to work with you to find the optimal solution for your unique application.