

FLAT AND TUBULAR BRAIDS

Orion Wire Company supplies Flat and Tubular metal braids for use in grounding and shielding applications. Typical constructions are manufactured from Bare Copper, Tinned Copper, Nickel Plated Copper and Stainless Steel.

Flat and Tubular Braids can be built to meet Military and industry standards as well as customer specific requirements. Custom Braid over Stranded Conductor configurations also available. Please contact us with your project requirements for additional information.



Copper Wires meet the requirements of the referenced ASTM Standard

Bare Copper - ASTM B 3

Tinned Copper - ASTM B 33

Silver Plated Copper - ASTM B 298

Nickel Plated Copper - ASTM B 355

Typical Put Ups

100 FT 250 FT 500 FT 1,000 FT

Custom Cut-to-Length Packaging Available Upon Request

RoHS



2002/95/EC

TUBULAR COPPER BRAID CONSTRUCTIONS

Nominal ID Rounded	Construction	AWG Size (CMA nom.)	Amps* nom.
1/32"	24-1-36	22 (600)	7
1/16"	24-2-36	19 (1200)	11
5/64"	24-3-36	18 (1800)	16
7/64"	24-4-36	16 (2400)	19
1/8"	24-5-36	15 (3000)	25
5/32"	24-10-36	12 (6000)	40
11/64"	24-7-36	14 (4200)	32
13/64"	24-13-36	11 (7800)	46
1/4"	24-16-36	10 (9600)	53
3/8"	48-8-36	10 (9600)	53
1/2"	48-11-36	9 (13200)	62
25/32"	48-18-36	7 (21600)	88
3/8"	24-7-30	8 (16800)	75
7/16"	24-10-30	6 (24000)	90
1/2"	24-15-30	5 (36000)	120
9/16"	48-10-30	3 (48000)	145
21/32"	48-16-30	1 (76800)	180
7/8"	48-7-30	5 (33600)	100
1"	48-8-30	4 (38400)	120
1-1/8"	48-9-30	4 (43200)	130
1-1/4"	48-10-30	3 (48000)	145
1-3/8"	48-11-30	3 (52800)	145
1-1/2"	48-12-30	3 (57600)	145
2"	48-14-30	2 (67200)	165
2-1/4"	48-16-30	1 (76800)	180

*Amps based on 30°C Ambient in Free Air and are for reference only.

FLAT COPPER BRAID CONSTRUCTIONS

Nominal Width	Construction	AWG Size (CMA nom.)	Amps* nom.
3/32"	24-2-36	19 (1200)	11
1/8"	24-3-36	18 (1800)	16
1/4"	24-7-36	14 (4200)	32
1/4"	24-10-36	12 (6000)	40
1/2"	48-8-36	10 (9600)	53
5/8"	48-11-36	9 (13200)	62
3/4"	48-18-36	7 (21600)	85
1"	48-18-36	7 (21600)	85
1/2"	24-10-30	6 (24000)	93
5/8"	24-15-30	5 (36000)	120
3/4"	24-20-30	3 (48000)	145
7/8"	24-24-30	3 (57600)	165
3/4"	48-5-30	6 (24000)	93
1"	48-8-30	4 (38400)	120
1-1/4"	48-10-30	3 (48000)	145
1-1/2"	48-11-30	3 (52800)	145
7/8"	48-12-30	3 (57600)	145
1-3/8"	48-14-30	2 (67200)	165
1-1/2"	48-16-30	1 (76800)	180
1-3/8"	48-22-30	1/0 (105600)	235
1-3/4"	48-26-30	2/0 (124800)	250
2"	48-32-30	3/0 (153600)	290
2-1/4"	48-35-30	3/0 (168000)	320
2-3/8"	48-44-30	4/0 (211200)	370
2-1/2"	48-52-30	250 MCM	410

MULTI-LAYER COPPER CONSTRUCTIONS

1-1/8"	2x(24-27-30)	2/0 (129600)	250
1-1/4"	2x(24-32-30)	3/0 (153600)	290
1-1/4"	2x(24-35-30)	3/0 (168000)	320
1-1/4"	3x(24-32-30)	4/0 (230400)	385
1-3/8"	4x(24-32-30)	300 MCM	465
1-1/2"	3x(24-47-30)	325 MCM	--
2-1/8"	2x(48-32-30)	300 MCM	465
2-1/4"	3x(48-35-30)	500 MCM	--

CONTACT US FOR INFORMATION REGARDING STAINLESS STEEL TUBULAR BRAIDS.