107-111 TurboFlex® Rope-Lay Wire Rope Grounding Strap

GROUND STRAP FEATURES

- Lug hole table in accordance with AS7928.
- Bend radius is 3X the O.D.

MATERIAL/FINISH

- Lugs - See table. Mil-Spec lugs Copper/tin plate per B545
- Conductor - Copper/tin, silver, or nickel plated, See table
- Jacket/ Sleeve - See table

How To Order TurboFlex Grounding Straps

Sample Part Number	107-111	T	-E	-SR	-A	E	-8	D2
Product Series	TurboFlex Ground Strap							
TurboFlex Wire and Lug Material	**T** = Copper / Tin Plated **S** = Copper / Silver Plated **N** = Copper / Nickel Plated							
Wire Size	See tables							
Ground Strap Style	**SR** = Strain Relief Lugs **FRD** = Flat Radiused Lugs **20** = MS20659 Lugs **25** = MS25036 Lugs **TCT** = TurboFlex Crimp Terminal Lugs							
Lug 1 Hole Code	Table II							
Lug 2 Hole Code	Table II							
Length	In Inches							
Jacket Material Code	Table III **Omit** = no jacket							

TABLE II - LUG HOLE SIZE CODES

Lug 1 & 2 Hole Code	Ø C	Stud Size (Ref.)
X	.000	No Lug Hole
A	.114/.122 (2.90/3.10)	#4
B	.142/.152 (3.61/3.86)	#6
C	.168/.178 (4.27/4.52)	#8
D	.193/.203 (4.90/5.16)	#10
E	.260/.275 (6.60/6.99)	1/4
F	.323/.338 (8.20/8.59)	5/16
G	.385/.400 (9.78/10.16)	3/8
H	.448/.463 (11.38/11.76)	7/16
J	.510/.525 (12.95/13.34)	1/2
K	.573/.588 (14.55/14.94)	9/16
L	.651/.666 (16.54/16.92	5/8
M	.770/.785 (19.56/19.94)	3/4
N	.895/.910 (22.73/ 23.11	7/8

TABLE III - JACKET AND SLEEVE MATERIAL CODE

SYM	Insulation Material/Description
D0	High Performance Elastomer, Duralectric Black
D1	High Performance Elastomer, Duralectric Brown
D2	High Performance Elastomer, Duralectric Red
D3	High Performance Elastomer, Duralectric Orange
D4	High Performance Elastomer, Duralectric Yellow
D5	High Performance Elastomer, Duralectric Green
D6	High Performance Elastomer, Duralectric Blue
D7	High Performance Elastomer, Duralectric Violet
D8	High Performance Elastomer, Duralectric Gray
D9	High Performance Elastomer, Duralectric White
DDT	High Performance Elastomer, Duralectric Desert Tan
DOG	High Performance Elastomer, Duralectric Dark Olive Green
F	Fire / Caustic Chemical-Resistant Elastomer, Duralectric F Blue

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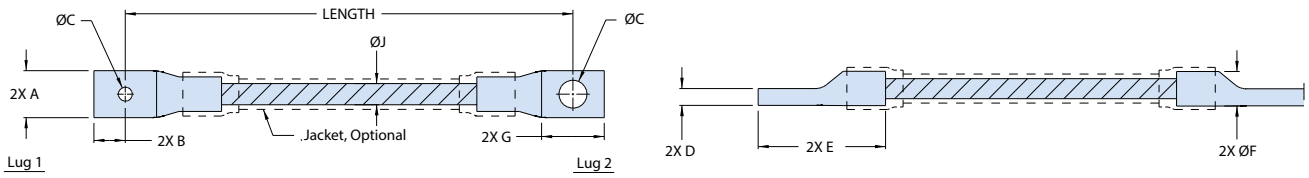
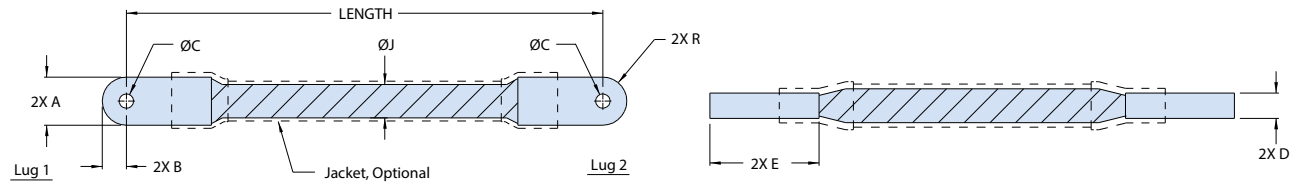
107-111 TurboFlex® Wire Rope Grounding Strap

SR - STRAIN RELIEF LUGS



Wire Size	AWG	CSA (KCMIL)	CSA (mm^2)	Nominal Resistance (mOhm/m)	A ±.05		B		D ±.05		E		F (REF)		G		Ø J		Max Lug Code (AS7928)
					In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	
R	16	2.6	1.3	15.07	.19	4.83	.095	2.41	.050	1.27	.75	19.05	.120	3.05	.375	9.52	.063	1.60	A
A	12	6.5	3.3	6.11	.25	6.35	.125	3.18	.065	1.65	.87	22.10	.165	4.19	.450	11.43	.099	2.51	B
B	10	10.3	5.2	3.83	.30	7.62	.150	3.81	.075	1.90	1.00	25.40	.195	4.95	.550	13.97	.126	3.20	C
C	8	16.6	8.4	2.38	.35	8.89	.175	4.44	.090	2.29	1.12	28.45	.235	5.97	.625	15.88	.159	4.04	D
D	6	26.2	13.3	1.51	.42	10.67	.210	5.33	.100	2.54	1.25	31.75	.275	6.99	.700	17.78	.200	5.08	E
E	4	41.6	21.1	0.99	.54	13.72	.270	6.86	.130	3.30	1.50	38.10	.360	9.14	.875	22.23	.271	6.88	F
F	2	66.1	33.5	0.62	.64	16.26	.320	8.13	.150	3.81	1.75	44.45	.425	10.80	1.000	25.40	.342	8.69	G
G	1/0	105.3	53.4	0.39	.79	20.07	.395	10.03	.220	5.59	2.00	50.80	.525	13.34	1.125	28.58	.431	10.95	J
H	2/0	132.3	67.0	0.31	.88	22.35	.440	11.18	.240	6.10	2.25	57.15	.580	14.73	1.250	31.75	.483	12.27	K
I	3/0	169.6	85.9	0.25	.99	25.15	.495	12.57	.270	6.86	2.50	63.50	.650	16.51	1.500	38.10	.547	13.89	L
J	4/0	212.8	107.8	0.20	1.08	27.43	.540	13.72	.290	7.37	2.75	69.85	.710	18.03	1.750	44.45	.613	15.57	M

FRD - FLAT RADIUSED LUGS



Wire Size	AWG	CSA (KCMIL)	CSA (mm^2)	Nominal Resistance (mOhm/m)	A		B		D ±.05		E		R		Ø J		Max Lug Code (AS7928)
					In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	
R	16	2.6	1.3	15.07	.19	4.83	.095	2.41	.055	1.40	.63	16.00	.095	2.41	.063	1.60	A
A	12	6.5	3.3	6.11	.25	6.35	.125	3.18	.075	1.90	.75	19.05	.125	3.18	.099	2.51	B
B	10	10.3	5.2	3.83	.30	7.62	.150	3.81	.085	2.16	.88	22.35	.150	3.81	.126	3.20	C
C	8	16.6	8.4	2.38	.35	8.89	.175	4.44	.105	2.67	1.00	25.40	.175	4.44	.159	4.04	D
D	6	26.2	13.3	1.51	.42	10.67	.210	5.33	.115	2.92	1.13	28.70	.210	5.33	.200	5.08	E
E	4	41.6	21.1	0.99	.54	13.72	.270	6.86	.150	3.81	1.25	31.75	.270	6.86	.271	6.88	F
F	2	66.1	33.5	0.62	.64	16.26	.320	8.13	.175	4.44	1.50	38.10	.320	8.13	.342	8.69	G
G	1/0	105.3	53.4	0.39	.79	20.07	.395	10.03	.215	5.46	1.75	44.45	.395	10.03	.431	10.95	J
H	2/0	132.3	67.0	0.31	.88	22.35	.440	11.18	.230	5.84	2.00	50.80	.440	11.18	.483	12.27	K
I	3/0	169.6	85.9	0.25	.99	25.15	.495	12.57	.255	6.48	2.25	57.15	.495	12.57	.547	13.89	L
J	4/0	212.8	107.8	0.20	1.08	27.43	.540	13.72	.280	7.11	2.50	63.50	.540	13.72	.613	15.57	M

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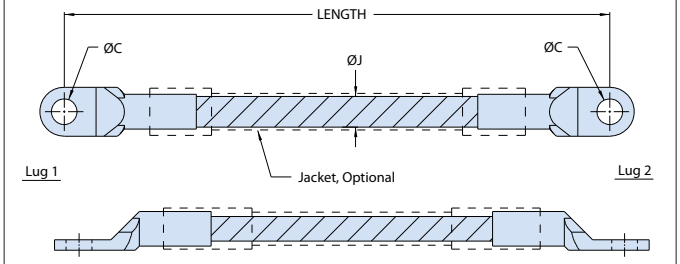
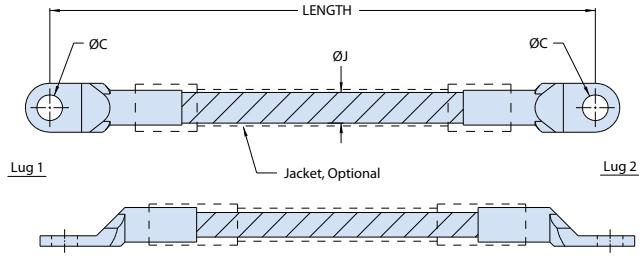
20 - MS20659 CRIMP LUGS



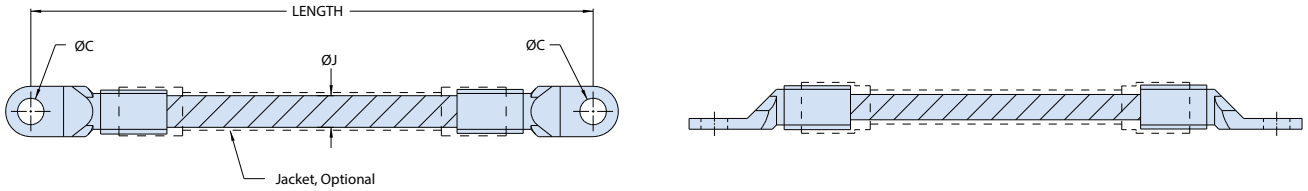
Wire Size	AWG	CSA (KCMIL)	CSA (mm^2)	Nominal Resistance (mOhm/m)	Ø J		Available Lug Hole Codes (AS7928)
					In.	mm	
R	16	2.6	1.3	15.07	.063	1.60	B, D
A	12	6.5	3.3	6.11	.099	2.51	B, D, F, G
B	10	10.3	5.2	3.83	.126	3.20	B, D, F, G
C	8	16.6	8.4	2.38	.159	4.04	C, D, E, F, G
D	6	26.2	13.3	1.51	.200	5.08	D, E, F, G
E	4	41.6	21.1	0.99	.271	6.88	D, E, F, G
F	2	66.1	33.5	0.62	.342	8.69	D, E, F, G, H, J
G	1/0	105.3	53.4	0.39	.431	10.95	E, F, G, H, J
H	2/0	132.3	67.0	0.31	.483	12.27	E, F, G, H, J
I	3/0	169.6	85.9	0.25	.547	13.89	F, G, H, J
J	4/0	212.8	107.8	0.20	.613	15.57	F, G, H, J

25 - MS20659 CRIMP LUGS



Wire Size	AWG	CSA (KCMIL)	CSA (mm^2)	Nominal Resistance (mOhm/m)	Ø J		Available Lug Hole Codes (AS7928)
					In.	mm	
R	16	2.6	1.3	15.07	.063	1.60	A, B, C, D, E, F, G, J
A	12	6.5	3.3	6.11	.099	2.51	B, C, D, E, F, G, J
B	10	10.3	5.2	3.83	.126	3.20	B, C, D, E, F, G, J
C	8	16.6	8.4	2.38	.159	4.04	D, E, F, G
D	6	26.2	13.3	1.51	.200	5.08	D, E, F, G
E	4	41.6	21.1	0.99	.271	6.88	E, F, G
F	2	66.1	33.5	0.62	.342	8.69	E, G, J
G	1/0	105.3	53.4	0.39	.431	10.95	E, G, J
H	2/0	132.3	67.0	0.31	.483	12.27	F, G, J
I	3/0	169.6	85.9	0.25	.547	13.89	G, J
J	4/0	212.8	107.8	0.20	.613	15.57	G, J

TCT - TURBOFLEX CRIMP TERMINAL LUGS



Wire Size	AWG	CSA (KCMIL)	CSA (mm^2)	Nominal Resistance (mOhm/m)	Ø J		Max Lug Hole Codes (AS7928)
					In.	mm	
C	8	16.6	8.4	2.38	.159	4.04	E
E	4	41.6	21.1	0.99	.271	6.88	G
F	2	66.1	33.5	0.62	.342	8.69	H
G	1/0	105.3	53.4	0.39	.431	10.95	J
H	2/0	132.3	67.0	0.31	.483	12.27	K
I	3/0	169.6	85.9	0.25	.547	13.89	L
J	4/0	212.8	107.8	0.20	.613	15.57	M

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