

TurboFlex® M Copper Core, Dual-Layer Duraelectric™ D Jackets and Metallic Braided Shield, 725–2875 VAC • 967-601 Imperial

TURBOFLEX M • COPPER CORE

FEATURES

- TurboFlex M, with mil-spec conductor per AS29606 provides flight heritage and the stiffness required in some installations, while Duraelectric D Insulation provides more flexibility than standard mil-spec wire. 725–2875 VAC, 2450–6750 VDC-rated performance.

Standard M22759 mil-spec wire

TurboFlex M: M22759 core, Duraelectric jacket

Ultra-flexible TurboFlex rope-lay cable

NOTES

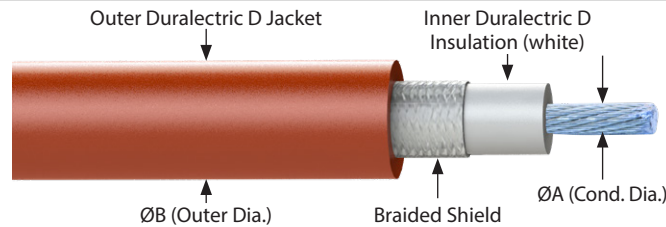
- Cable will be marked with "GLENAIR TURBOFLEX M", wire gauge, part number, CAGE 06324.
- Conductors per AS29606
- Bend radius (ref. only) 4X O.D.
- Resistance values with respect to center conductor
- Shield direct current ratings are for information only. Values are for uninsulated shield, in free air, at 30°C. Should be derated as shield is insulated.

Table II: Duraelectric D Insulation Color

Weatherproof, halogen free, flame resistant	
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Kelly Green
6	Blue
7	Violet
8	Gray
9	White

Consult factory for other specific colors

HOW TO ORDER TURBOFLEX® M						
Sample Part Number	967-601 -28 SCA -016 -S -0					
Basic No.	TurboFlex M = AS22759 type conductor with Duraelectric D Insulation and Jacket and braided EMI shielding					
Wire Conductor Size (See Tables)	-24, -22, -20, -18, -16, -12, -10, -8, -6, -4, -2, -1, -0, -00, -000, -0000					
Conductor Type (See Tables for Specifications, Resistance Values, and Conductor Diameter)	NCA = Nickel-Coated High-Strength Copper Alloy (-60° – 200°C) NCC = Nickel-Coated Annealed Copper (-60° – 200°C) SCA = Silver-Coated High-Strength Copper Alloy (-60° – 200°C) SCC = Silver-Coated Annealed Copper (-60° – 200°C) TCC = Tin-Coated Annealed Copper (-60° – 150°C)					
Duraelectric D Insulation Thickness (See Tables)	-016 = .016 -024 = .024 -032 = .032 -047 = .047 -062 = .062 -093 = .093 -125 = .125					
Braided Shield Material	T = Tin/Copper (100-001A), 0.011 thick (ref) S = Silver/Copper (100-002A), 0.011 (ref) N = Nickel/Copper (100-003A), 0.011 (ref) AM = AmberStrand (103-026), 0.009 (ref) AR = ArmorLite™ (103-051), 0.008 (ref) CF = ArmorLite™ CF (103-126), 0.009 (ref)					
Outer Duraelectric D Jacket Color	See Table II					



VOLTAGE RATING / INSULATION RESISTANCE							
Wall (in.)	.016 wall	.024 wall	.032 wall	.047 wall	.062 wall	.093 wall	.125 wall
IR Test Voltage (VDC)	1000	1000	1500	1500	2000	2500	3000
Voltage Rating (VAC)	725	975	1125	1450	1750	2300	2875
DWV (VAC)	2450	2950	3250	3900	4500	5600	6750
Wire Size AWG	Insulation Resistance (Megohms / 1000 ft.)						
24	1500	2000	2300	N/A	N/A	N/A	N/A
22	1300	1800	2100	N/A	N/A	N/A	N/A
20	1100	1500	1800	N/A	N/A	N/A	N/A
18	1000	1300	1500	N/A	N/A	N/A	N/A
16	900	1200	1500	N/A	N/A	N/A	N/A
12	600	900	1000	1400	N/A	N/A	N/A
10	500	700	900	1200	1400	N/A	N/A
8	400	600	700	900	1100	N/A	N/A
6	N/A	500	600	700	900	N/A	N/A
4	N/A	400	500	600	800	1000	1200
2	N/A	300	400	500	600	900	1100
1	N/A	300	400	500	600	800	1000
0	N/A	300	400	500	600	700	900
00	N/A	N/A	300	400	500	700	800
000	N/A	N/A	N/A	400	500	600	800
0000	N/A	N/A	N/A	N/A	400	600	700

TYPICAL CURRENT RANGE											
Tin Copper						Nickel/Silver Copper					
AWG	Amps	AWG	Amps	AWG	Amps	AWG	Amps	AWG	Amps	AWG	Amps
24	6-12	18	15-30	10	40-75	24	6-14	16	15-35	4	105-250
22	8-15	16	15-30	8	55-115	22	8-18	10	40-90	2	145-345
20	10-20	12	30-60			20	10-25	8	55-135	1	170-400
						18	15-30	6	75-185	3/0	260-640
										4/0	310-755

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TURBOFLEX M • COPPER CORE

NCA NICKEL-COATED HIGH-STRENGTH COPPER ALLOY CONDUCTOR

NCA WIRE SPECIFICATIONS					
Wire Size AWG	No. Strands X AWG	Circular Mils Nom.	Ø B in. (mm)		
			.016 wall	.024 wall	.032 wall
24	19 X 36	475	.055 ±.003 (1.40 ±.08)	.074 ±.003 (1.88 ±.08)	.087 ±.003 (2.21 ±.08)
22	19 X 34	754	.061 ±.003 (1.55 ±.08)	.080 ±.003 (2.03 ±.08)	.093 ±.003 (2.36 ±.08)
20	19 X 32	1216	.069 ±.003 (1.75 ±.08)	.088 ±.003 (2.24 ±.08)	.101 ±.003 (2.57 ±.08)
18	19 X 30	1900	.079 ±.003 (2.01 ±.08)	.098 ±.003 (2.49 ±.08)	.111 ±.003 (2.82 ±.08)
16	19 X 29	2426	.088 ±.003 (2.24 ±.08)	.104 ±.003 (2.64 ±.08)	.119 ±.003 (3.02 ±.08)

NCA WIRE RESISTANCE / CONDUCTOR DIA.		
Wire Size AWG	DC Resistance @ 20°C (Ohms/1000 ft.)	Ø A nom.
24	30.1	.024 (0.61)
22	18.6	.029 (0.74)
20	11.4	.038 (0.97)
18	6.79	.048 (1.22)
16	5.16	.053 (1.35)

TCC TIN-COATED ANNEALED COPPER CONDUCTOR

TCC WIRE SPECIFICATIONS									
Wire Size AWG	No. Strands X AWG	Circular Mils Nominal	Ø B (Inches)						
			.016 Wall	.024 Wall	.032 Wall	.047 Wall	.062 Wall	.093 Wall	.125 Wall
28	7 X 36	175	0.047 ± .003	N/A	N/A	N/A	N/A	N/A	N/A
26	19 X 38	304	0.051 ± .003	N/A	N/A	N/A	N/A	N/A	N/A
24	19 X 36	475	0.055 ± .003	0.074 ± .003	0.087 ± .003	N/A	N/A	N/A	N/A
22	19 X 34	754	0.061 ± .003	0.080 ± .003	0.093 ± .003	N/A	N/A	N/A	N/A
20	19 X 32	1216	0.069 ± .003	0.088 ± .003	0.101 ± .003	N/A	N/A	N/A	N/A
18	19 X 30	1900	0.079 ± .003	0.098 ± .003	0.111 ± .003	N/A	N/A	N/A	N/A
16	19 X 29	2426	0.088 ± .003	0.104 ± .003	0.119 ± .003	N/A	N/A	N/A	N/A
14	19 X 27	3831	0.100 ± .003	0.119 ± .003	0.131 ± .003	0.164 ± .003	N/A	N/A	N/A
12	37 X 28	5874	0.118 ± .003	0.138 ± .003	0.150 ± .003	0.183 ± .003	N/A	N/A	N/A
10	37 X 26	9354	0.143 ± .005	0.161 ± .005	0.175 ± .005	0.205 ± .005	0.235 ± .005	N/A	N/A
8	133 X 29	16983	0.198 ± .006	0.219 ± .006	0.230 ± .006	0.260 ± .006	0.290 ± .006	N/A	N/A
6	133 X 27	26818	N/A	0.268 ± .006	0.282 ± .006	0.311 ± .006	0.341 ± .006	N/A	N/A
4	133 X 25	42615	N/A	0.320 ± .006	0.333 ± .006	0.363 ± .006	0.393 ± .006	0.455 ± .006	0.519 ± .006
2	665 X 30	66500	N/A	0.394 ± .007	0.407 ± .007	0.435 ± .007	0.466 ± .007	0.528 ± .007	0.592 ± .007
1	817 X 30	81700	N/A	0.434 ± .007	0.457 ± .007	0.477 ± .007	0.507 ± .007	0.565 ± .007	0.632 ± .007
0	1045 X 30	104500	N/A	0.482 ± .007	0.493 ± .007	0.522 ± .007	0.552 ± .007	0.617 ± .007	0.678 ± .007
00	1330 X 30	133000	N/A	N/A	0.543 ± .008	0.573 ± .008	0.603 ± .008	0.665 ± .008	0.729 ± .008
000	1665 X 30	166500	N/A	N/A	N/A	0.638 ± .008	0.668 ± .008	0.730 ± .008	0.794 ± .008
0000	2109 X 30	210900	N/A	N/A	N/A	N/A	0.733 ± .008	0.795 ± .008	0.859 ± .008

TCC WIRE RESISTANCE / CONDUCTOR DIA.		
Wire Size AWG	DC Resistance @ 20°C (Ohms/1000 ft.)	Ø A Nominal
28	68.6	.015 (0.38)
26	41.3	.019 (0.48)
24	26.2	.024 (0.61)
22	16.2	.030 (0.76)
20	9.88	.038 (0.97)
18	6.23	.047 (1.19)
16	4.81	.053 (1.35)
14	3.06	.066 (1.68)
12	2.02	.085 (2.16)
10	1.26	.107 (2.72)
8	.701	.161 (4.09)
6	.418	.209 (5.31)
4	.264	.261 (6.63)
2	.170	.333 (8.46)
1	.149	.370 (9.40)
0	.116	.413 (10.49)
00	.091	.467 (11.86)
000	.071	.520 (13.21)
0000	0.056	.585 (14.86)

SCA SILVER-COATED HIGH-STRENGTH COPPER ALLOY CONDUCTOR

SCA WIRE SPECIFICATIONS					
Wire Size AWG	No. Strands X AWG	Circular Mils Nom.	Ø B in. (mm)		
			.016 wall	.024 wall	.032 wall
24	19 X 36	475	.055 ±.003 (1.40 ±.08)	.074 ±.003 (1.88 ±.08)	.087 ±.003 (2.21 ±.08)
22	19 X 34	754	.061 ±.003 (1.55 ±.08)	.080 ±.003 (2.03 ±.08)	.093 ±.003 (2.36 ±.08)
20	19 X 32	1216	.069 ±.003 (1.75 ±.08)	.088 ±.003 (2.24 ±.08)	.101 ±.003 (2.57 ±.08)
18	19 X 30	1900	.079 ±.003 (2.01 ±.08)	.098 ±.003 (2.49 ±.08)	.111 ±.003 (2.82 ±.08)
16	19 X 29	2426	.088 ±.003 (2.24 ±.08)	.104 ±.003 (2.64 ±.08)	.119 ±.003 (3.02 ±.08)

SCA WIRE RESISTANCE / CONDUCTOR DIA.		
Wire Size AWG	DC Resistance @ 20°C (Ohms/1000 ft.)	Ø A nom.
24	28.4	.024 (0.61)
22	17.5	.030 (0.76)
20	10.7	.038 (0.97)
18	6.43	.047 (1.19)
16	4.9	.053 (1.35)

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TURBOFLEX M • COPPER CORE

NCC NICKEL-COATED ANNEALED COPPER CONDUCTOR

NCC WIRE SPECIFICATIONS									
Wire Size AWG	No. Strands X AWG	Circular Mils Nom.	Ø B in. (mm)						
			.016 wall	.024 wall	.032 wall	.047 wall	.062 wall	.093 wall	.125 wall
24	19 X 36	475	.055 ±.003 (1.40 ±.08)	.074 ±.003 (1.88 ±.08)	.087 ±.003 (2.21 ±.08)	N/A	N/A	N/A	N/A
22	19 X 34	754	.061 ±.003 (1.55 ±.08)	.080 ±.003 (2.03 ±.08)	.093 ±.003 (2.36 ±.08)	N/A	N/A	N/A	N/A
20	19 X 32	1216	.069 ±.003 (1.75 ±.08)	.088 ±.003 (2.24 ±.08)	.101 ±.003 (2.57 ±.08)	N/A	N/A	N/A	N/A
18	19 X 30	1900	.079 ±.003 (2.01 ±.08)	.098 ±.003 (2.49 ±.08)	.111 ±.003 (2.82 ±.08)	N/A	N/A	N/A	N/A
16	19 X 29	2426	.088 ±.003 (2.24 ±.08)	.104 ±.003 (2.64 ±.08)	.119 ±.003 (3.02 ±.08)	N/A	N/A	N/A	N/A
12	37 X 28	5874	.118 ±.003 (3.00 ±.08)	.138 ±.003 (3.51 ±.08)	.150 ±.003 (3.81 ±.08)	.183 ±.003 (4.65 ±.08)	N/A	N/A	N/A
10	37 X 26	9354	.143 ±.005 (3.63 ±.13)	.161 ±.005 (4.09 ±.13)	.175 ±.005 (4.44 ±.13)	.205 ±.005 (5.21 ±.13)	.235 ±.005 (5.97 ±.13)	N/A	N/A
8	133 X 29	16983	.198 ±.006 (5.03 ±.15)	.219 ±.006 (5.56 ±.15)	.230 ±.006 (5.84 ±.15)	.260 ±.006 (6.60 ±.15)	.290 ±.006 (7.37 ±.15)	N/A	N/A
6	133 X 27	26818	N/A	.268 ±.006 (6.81 ±.15)	.282 ±.006 (7.16 ±.15)	.311 ±.006 (7.90 ±.15)	.341 ±.006 (8.66 ±.15)	N/A	N/A
4	133 X 25	42615	N/A	.320 ±.006 (8.13 ±.15)	.333 ±.006 (8.46 ±.15)	.363 ±.006 (9.22 ±.15)	.393 ±.006 (9.98 ±.15)	.455 ±.006 (11.56 ±.15)	.519 ±.006 (13.18 ±.15)
2	665 X 30	66500	N/A	.394 ±.007 (10.00 ±.18)	.407 ±.007 (10.34 ±.18)	.435 ±.007 (11.05 ±.18)	.466 ±.007 (11.84 ±.18)	.528 ±.007 (13.41 ±.18)	.592 ±.007 (15.04 ±.18)
1	817 X 30	81700	N/A	.434 ±.007 (11.02 ±.18)	.457 ±.007 (11.61 ±.18)	.477 ±.007 (12.12 ±.18)	.507 ±.007 (12.88 ±.18)	.565 ±.007 (14.35 ±.18)	.632 ±.007 (16.05 ±.18)
0	1045 X 30	104500	N/A	.482 ±.007 (12.24 ±.18)	.493 ±.007 (12.52 ±.18)	.522 ±.007 (13.26 ±.18)	.552 ±.007 (14.02 ±.18)	.617 ±.007 (15.67 ±.18)	.678 ±.007 (17.22 ±.18)
00	1330 X 30	133000	N/A	N/A	.543 ±.008 (13.79 ±.20)	.573 ±.008 (14.55 ±.20)	.603 ±.008 (15.32 ±.20)	.665 ±.008 (16.89 ±.20)	.729 ±.008 (18.52 ±.20)
000	1665 X 30	166500	N/A	N/A	N/A	.638 ±.008 (16.21 ±.20)	.668 ±.008 (16.97 ±.20)	.730 ±.008 (18.54 ±.20)	.794 ±.008 (20.17 ±.20)
0000	2109 X 30	210900	N/A	N/A	N/A	N/A	.733 ±.008 (18.62 ±.20)	.795 ±.008 (20.19 ±.20)	.859 ±.008 (21.82 ±.20)

NCC WIRE RESISTANCE / CONDUCTOR DIA.		
Wire Size AWG	DC Resistance @ 20°C (Ohms/1000 ft.)	Ø A nom.
24	24.3	.024 (0.61)
22	15.1	.030 (0.76)
20	9.19	.038 (0.97)
18	5.79	.047 (1.19)
16	4.52	.053 (1.35)
12	1.98	.085 (2.16)
10	1.24	.107 (2.72)
8	0.694	.161 (4.09)
6	0.436	.209 (5.31)
4	0.275	.261 (6.63)
2	0.177	.333 (8.46)
1	0.144	.370 (9.40)
0	0.113	.413 (10.49)
00	0.089	.467 (11.86)
000	0.071	.520 (13.21)
0000	0.056	.585 (14.86)

SCC SILVER-COATED ANNEALED COPPER CONDUCTOR

SCC WIRE SPECIFICATIONS							
Wire Size AWG	No. Strands X AWG	Circular Mils Nom.	Ø B in. (mm)				
			.016 wall	.024 wall	.032 wall	.047 wall	.062 wall
24	19 X 36	475	.055 ±.003 (1.40 ±.08)	.074 ±.003 (1.88 ±.08)	.087 ±.003 (2.21 ±.08)	N/A	N/A
22	19 X 34	754	.061 ±.003 (1.55 ±.08)	.080 ±.003 (2.03 ±.08)	.093 ±.003 (2.36 ±.08)	N/A	N/A
20	19 X 32	1216	.069 ±.003 (1.75 ±.08)	.088 ±.003 (2.24 ±.08)	.101 ±.003 (2.57 ±.08)	N/A	N/A
18	19 X 30	1900	.079 ±.003 (2.01 ±.08)	.098 ±.003 (2.49 ±.08)	.111 ±.003 (2.82 ±.08)	N/A	N/A
16	19 X 29	2426	.088 ±.003 (2.24 ±.08)	.104 ±.003 (2.64 ±.08)	.119 ±.003 (3.02 ±.08)	N/A	N/A
12	37 X 28	5874	.118 ±.003 (3.00 ±.08)	.138 ±.003 (3.51 ±.08)	.150 ±.003 (3.81 ±.08)	.183 ±.003 (4.65 ±.08)	N/A
10	37 X 26	9354	.143 ±.005 (3.63 ±.13)	.161 ±.005 (4.09 ±.13)	.175 ±.005 (4.44 ±.13)	.205 ±.005 (5.21 ±.13)	.235 ±.005 (5.97 ±.13)
8	133 X 29	16983	.198 ±.006 (5.03 ±.15)	.219 ±.006 (5.56 ±.15)	.230 ±.006 (5.84 ±.15)	.260 ±.006 (6.60 ±.15)	.290 ±.006 (7.37 ±.15)

SCC WIRE RESISTANCE / CONDUCTOR DIA.		
Wire Size AWG	DC Resistance @ 20°C (Ohms/1000 ft.)	Ø A nom.
24	24.3	.024 (0.61)
22	15.1	.030 (0.76)
20	9.19	.038 (0.97)
18	5.79	.047 (1.19)
16	4.52	.053 (1.35)
12	1.90	.086 (2.18)
10	1.19	.108 (2.74)
8	.658	.161 (4.09)

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TURBOFLEX M • COPPER CORE

WEIGHT (LBS/1000 FT) NOMINAL: TIN / SILVER / NICKEL COPPER SHIELD							
Wire Size AWG	Wall Size						
	.016	.024	.032	.047	.062	.093	.125
24	9.2	12.8	16.5	N/A	N/A	N/A	N/A
22	10.4	16.5	17.8	N/A	N/A	N/A	N/A
20	14.3	18.5	19.9	N/A	N/A	N/A	N/A
18	20.5	22.7	26.5	N/A	N/A	N/A	N/A
16	22.9	24.8	29.0	N/A	N/A	N/A	N/A
12	37.4	51.0	53.0	55.1	N/A	N/A	N/A
10	61.2	64.4	62.6	80.6	94.2	N/A	N/A
8	102.7	114.4	117.3	125.6	126.1	N/A	N/A
6	N/A	151.1	141.3	156.1	180.4	N/A	N/A
4	N/A	212.2	216.8	228.0	243.3	275.6	314.7
2	N/A	311.3	316.8	329.1	348.4	387.2	433.3
1	N/A	377.8	393.3	403.0	425.3	456.8	507.3
0	N/A	450.6	456.1	478.4	494.7	543.0	591.6
00	N/A	N/A	555.3	582.2	600.0	648.6	692.8
000	N/A	N/A	N/A	695.2	723.7	766.7	819.8
0000	N/A	N/A	N/A	N/A	871.6	923.2	975.0

WEIGHT (LBS/1000 FT) NOMINAL: AMBERSTRAND SHIELD							
Wire Size AWG	Wall Size						
	.016	.024	.032	.047	.062	.093	.125
24	6.4	8.9	10.3	N/A	N/A	N/A	N/A
22	7.6	10.3	11.6	N/A	N/A	N/A	N/A
20	10.4	12.3	13.7	N/A	N/A	N/A	N/A
18	14.2	16.5	18.2	N/A	N/A	N/A	N/A
16	16.6	18.6	20.7	N/A	N/A	N/A	N/A
12	29.2	34.0	36.0	42.5	N/A	N/A	N/A
10	44.1	47.4	50.1	56.4	63.6	N/A	N/A
8	78.4	83.6	86.5	96.0	105.2	N/A	N/A
6	N/A	121.4	125.8	135.2	145.8	N/A	N/A
4	N/A	177.6	182.2	193.3	208.4	235.9	269.3
2	N/A	276.5	281.9	294.2	308.7	341.8	377.9
1	N/A	343.0	353.6	363.2	379.9	411.4	453.4
0	N/A	410.9	416.4	432.9	449.3	487.6	528.6
00	N/A	N/A	509.9	526.8	544.6	585.6	629.8
000	N/A	N/A	N/A	641.3	660.8	703.8	757.9
0000	N/A	N/A	N/A	N/A	808.6	861.4	913.1

WEIGHT (LBS/1000 FT) NOMINAL: ARMORLITE SHIELD							
Wire Size AWG	Wall Size						
	.016	.024	.032	.047	.062	.093	.125
24	7.7	10.1	11.4	N/A	N/A	N/A	N/A
22	8.8	11.4	12.8	N/A	N/A	N/A	N/A
20	11.6	13.5	14.9	N/A	N/A	N/A	N/A
18	15.4	17.6	19.4	N/A	N/A	N/A	N/A
16	17.8	19.7	21.9	N/A	N/A	N/A	N/A
12	30.3	34.9	37.0	43.5	N/A	N/A	N/A
10	45.1	48.4	51.0	57.4	64.6	N/A	N/A
8	79.4	84.6	87.5	97.4	106.6	N/A	N/A
6	N/A	122.9	127.2	136.6	147.2	N/A	N/A
4	N/A	179.0	183.6	194.8	210.2	237.7	270.4
2	N/A	278.2	283.7	296.0	310.4	342.9	379.1
1	N/A	344.7	355.4	365.0	381.0	412.6	455.1
0	N/A	412.7	418.2	434.1	450.5	488.7	530.3
00	N/A	N/A	511.0	528.0	545.8	587.3	631.5
000	N/A	N/A	N/A	643.0	662.5	705.4	766.4
0000	N/A	N/A	N/A	N/A	810.3	869.9	921.6

WEIGHT (LBS/1000 FT) NOMINAL: ARMORLITE CF SHIELD							
Wire Size AWG	Wall Size						
	.016	.024	.032	.047	.062	.093	.125
24	8.4	10.7	12.0	N/A	N/A	N/A	N/A
22	9.6	12.0	13.4	N/A	N/A	N/A	N/A
20	12.2	14.1	15.5	N/A	N/A	N/A	N/A
18	16.0	18.2	20.0	N/A	N/A	N/A	N/A
16	18.4	20.4	22.5	N/A	N/A	N/A	N/A
12	31.0	36.2	38.2	44.7	N/A	N/A	N/A
10	46.3	49.6	52.3	58.6	65.8	N/A	N/A
8	80.6	85.8	88.7	99.3	108.5	N/A	N/A
6	N/A	124.7	129.1	138.5	149.1	N/A	N/A
4	N/A	180.9	185.5	196.6	212.4	239.8	272.4
2	N/A	280.4	285.9	298.2	312.6	344.8	381.0
1	N/A	346.9	357.5	367.2	382.9	414.5	458.9
0	N/A	414.9	420.3	436.0	452.4	490.6	534.1
00	N/A	N/A	512.9	529.9	547.7	591.2	635.3
000	N/A	N/A	N/A	646.8	666.3	709.3	772.5
0000	N/A	N/A	N/A	N/A	816.8	875.9	927.7

SHIELD CURRENT RATINGS: NICKEL / SILVER / TIN BRAID																			
Wire Size AWG	Wall Size			Wire Size AWG	Wall Size						Wire Size AWG	Wall Size							
	.016	.024	.032		.016	.024	.032	.047	.062	.093		.125	.016	.024	.032	.047	.062	.093	.125
24	7	11	16	12	19	25	25	32	N/A	N/A	N/A	2	N/A	53	53	55	55	62	70
22	7	16	16	10	25	32	32	46	46	N/A	N/A	1	N/A	53	55	55	62	70	77
20	11	16	16	8	32	46	46	35	35	N/A	N/A	0	N/A	55	55	62	62	70	77
18	16	16	19	6	N/A	35	35	42	42	N/A	N/A	00	N/A	N/A	62	70	70	77	77
16	16	16	19	4	N/A	42	42	42	53	55	62	000	N/A	N/A	N/A	77	77	77	71
												0000	N/A	N/A	N/A	N/A	77	71	71