maximum weight saving with Duralectric™ L jacket and aluminum conductor, best abrasion resistance • 961-042

961-042 TURBOFLEX WITH DURALECTRIC L (LIGHT) JACKET AND ALUMINUM CONDUCTOR, .025" WALL, 1250 VAC

- **TurboFlex with Duralectric L (light) jacket and aluminum conductor for lightest weight and best abrasion resistance**

How to Order TurboFlex®				
Sample Part Number	**961-042**	**-A**	**-C**	**-2**
Basic No.	**TurboFlex** with Duralectric L (light) Jacket, aluminum conductor			
Conductor Material	**-A** = Aluminum core			
Wire Size (See Table I)	**R, S, A, B, C, D, E, F, G**			
Duralectric L Jacket Color	See Table II			

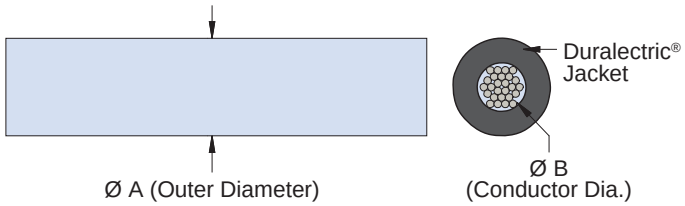

Table I: TurboFlex Wire Size, Dimensions, DC Resistance and Ampacity Ratings

AWG Code	AWG	Strand / Count / AWG	Cir Mil (nom)	Ø B in. (mm)	DC Resistance @ 20°C (Ohms / 1000 ft.)	Ampacity (Amps) 40°C Ambient
R	16	7 X 15/36	2625	.063 (1.60)	6.85	27
S	14	7 X 24/36	4200	.080 (2.03)	4.26	36
A	12	7 X 37/36	6475	.099 (2.51)	2.80	47
B	10	7 X 59/36	10325	.126 (3.20)	1.69	63
C	8	7 X 95/36	16625	.159 (4.04)	1.07	83
D	6	7 X 150/36	26250	.200 (5.08)	0.67	112
E	4	7 X 7 X 34/36	41650	.271 (6.88)	0.42	148
F	2	7 X 7 X 54/36	66150	.342 (8.69)	0.26	197
G	1/0	7 X 7 X 86/36	105350	.431 (10.95)	0.16	262

Table II: Duralectric™ L Jacket Color

Weatherproof, halogen free, flame resistant, functional to 260°C		
0	Black	Fed-Std-595C #17038
1	Brown	[TBD]
2	Red	Fed-Std-595C #11120
3	Orange	Fed-Std-595C #12300
4	Yellow	Fed-Std-595C #13591
5	Kelly Green	Fed-Std-595C #14193
6	Blue	Fed-Std-595C #15125
7	Violet	Fed-Std-595C #17142
8	Gray	Fed-Std-595C #26270
9	White	Fed-Std-595C #17875
OG	Dark Olive Green	Fed-Std-595C #34094
DT	Desert Tan	Fed-Std-595C #33446
Consult factory for other specific Fed Std colors		

961-042 Wire Weight and Outer Diameter

AWG Code	Weight lbs/1000 ft. (nom.)	Ø A in. (mm)	Jacket wall thickness in. (mm)
R	5.4	.113 (2.87)	.025 (.64)
S	7.5	.130 (2.54)	
A	10.3	.149 (3.78)	
B	14.9	.176 (4.47)	
C	22.1	.209 (5.31)	
D	32.8	.250 (6.35)	
E	50.0	.321 (8.15)	
F	76.0	.392 (9.96)	
G	116.9	.481 (12.22)	

NOTES

1. Bend radius is 3X the outer diameter
2. Cable will be marked with "GLENAIR ALUMINUM TURBOFLEX LIGHT", wire gauge, part number, CAGE 06324.
3. Jacket thickness tolerance is ±.005