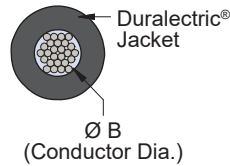
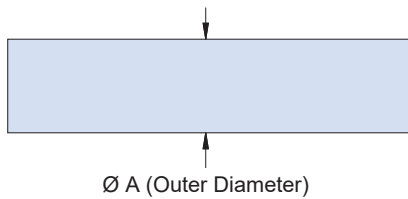


with Duraelectric™ D Jacket, lightweight aluminum conductor, .025" wall, 1750 VAC • 961-010

961-010 TURBOFLEX ALUMINUM, .025" WALL, 1750 VAC

■ For weight savings: all the benefits of TurboFlex wire and Duraelectric D jacketing with lightweight aluminum core conductor

How to Order TurboFlex®					
Sample Part Number	961	-010	-A	-G	-2
Basic No.	TurboFlex with Duraelectric D Jacket				
Wall Thickness	-010 = .025"				
Conductor Material	-A = Aluminum core (-60° – 200°C)				
Wire Size (See Table I)	R, S, A, B, C, D, E, F, G				
Duraelectric D Jacket Color	See Table II				



Voltage Ratings		
P/N	AC Voltage Rating, RMS	DC Voltage Rating
961-010	1750	2400

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: Duraelectric™ D 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

961-010 Wire Weight and Outer Diameter			
AWG Code	Weight lbs/1000 ft. (nom.)	Ø A in. (mm)	Jacket wall thickness in. (mm)
R	6.4	.113 (2.87)	.025 (.64)
S	8.7	.130 (2.54)	
A	11.7	.149 (3.78)	
B	16.6	.176 (4.47)	
C	24.2	.209 (5.31)	
D	35.3	.250 (6.35)	
E	53.3	.321 (8.15)	
F	80.1	.392 (9.96)	
G	122.0	.481 (12.22)	

NOTES

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