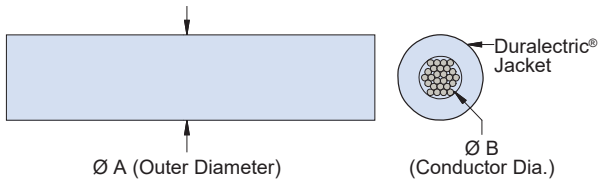


with Duralectric™ D Jacket, lightweight aluminum conductor, .025" wall, 1750 VAC • 961-010

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

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

How to Order TurboFlex®					
Sample Part Number	961	-010	-A	-G	-2
Basic No.	TurboFlex with Duralectric 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				
Duralectric D Jacket Color	See Table II				



Voltage Ratings		
P/N	AC Voltage Rating, RMS	DC Voltage Rating
961-010	1750	4200

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™ 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

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