TurboFlex® Aluminum Core, Duralectric™ D Insulation, 1000 VAC, 961-151 Imperial

FEATURES

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

How to Order TurboFlex®					
Sample Part Number	**961**	**–151**	**–A**	**–A**	**–2**
Basic No.	**TurboFlex** with Duralectric D Insulation				
Wall Thickness	**-151** = .016"				
Conductor Material	**-A** = Aluminum (-65 – 200°C)				
Wire Size (See Table I)	**R, S, A, B, C**				
Duralectric D Insulation Color	See Table II				

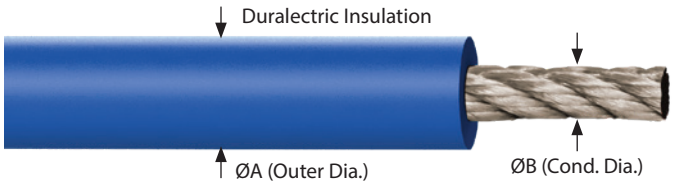

Table I: TurboFlex Wire Size, Dimensions, DC Resistance and Ampacity Ratings

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

Maximum ampacities are based on temperature rise to limits of the materials used in cable construction, based on single cable bundle in free air and at sea level pressure. Consult Glenair for more information.

Ampacity Ratings: Ambient Temperature Correction Factors	
Ambient Temp (°C)	For ambient temperatures other than 40°C (104°F), multiply the allowable ampacities from the table above by the appropriate factor below
41 – 50	0.97
51 – 60	0.94
61 – 70	0.90
71 – 80	0.87
81 – 90	0.83
91 – 100	0.79
101 – 120	0.71
121 – 140	0.61
141 – 160	0.50
161 – 180	0.35

Table II: Duralectric 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

Wire Weight and Outer Diameter

AWG Code	Weight lbs/1000 ft. (nom.)	Ø A in. (mm)	Insulation wall thickness in. (mm)
R	5.1 (129.54)	.095 (2.41)	.016 (0.41)
S	7.2 (182.88)	.080 (2.03)	
A	10.1 (256.54)	.099 (2.51)	
B	14.8 (375.92)	.126 (3.20)	
C	22.3 (566.42)	.159 (4.04)	

NOTES

1. Bend radius is 3X the outer diameter
2. Cable will be marked with "GLENAIR TURBOFLEX", wire gauge, part number, CAGE 06324.
3. Insulation thickness tolerance is ±.002

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Dimensions in Inches (millimeters) are subject to change without notice.