TurboFlex® Copper Core, Duralectric™ D Insulation, 1000 VAC
961-031 Imperial

FEATURES

- .016" Duralectric D insulation for 1000 VAC rating

How to Order TurboFlex®					
Sample Part Number	**961**	**–031**	**–T**	**–A**	**–2**
Basic No.	**TurboFlex** with Duralectric D Insulation				
Wall Thickness	**-031** = .016"				
Conductor Material	**-T** = Tin/Copper (-65 – 150°C) **-S** = Silver/Copper (-65 – 200°C) **-N** = Nickel/Copper (-65 – 200°C)				
Wire Size (See Table I)	**T, R, S, A, B, C**				
Duralectric D Insulation Color	See Table II				

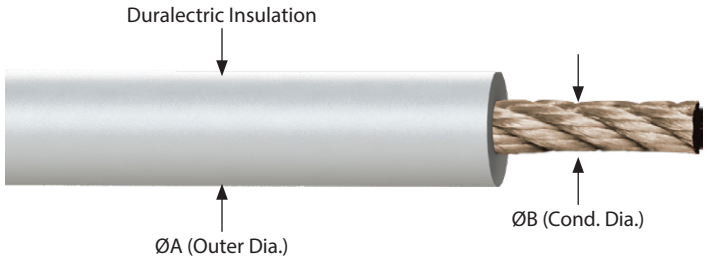

Table I: TurboFlex Wire Size, Dimensions, DC Resistance and Ampacity Ratings

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	
					Nickel Copper	Tin Copper	Silver Copper	Nickel Copper	Tin/Silver Copper
T	20	42-36	1050	.037 (.94)	10.7178	10.7538	10.0747	16	14
R	16	7 X 15/36	2625	.063 (1.60)	4.5510	4.5930	4.2780	40	36
S	14	7 X 24/36	4200	.080 (2.03)	2.8450	2.8710	2.6740	59	54
A	12	7 X 37/36	6475	.099 (2.51)	1.8450	1.8620	1.7340	78	68
B	10	7 X 59/36	10325	.126 (3.20)	1.1570	1.1680	1.0880	107	90
C	8	7 X 95/36	16625	.159 (4.04)	.7188	.7252	.6755	142	124

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.

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

961-004 Wire Weight and Outer Diameter

AWG Code	Weight lbs/1000 ft. (nom.)	Ø A in. (mm)	Insulation wall thickness in. (mm)
T	5.00	.069 (1.75)	.016 (0.41)
R	11.10	.095 (2.41)	
S	16.90	.112 (2.84)	
A	25.00	.131 (3.33)	
B	38.70	.158 (4.01)	
C	60.70	.191 (4.85)	

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
4. NASA MAPTIS Registered, material code 09866

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