TurboFlex® Copper Core, Lightweight Duralectric™ L Insulation, 1250 VAC • 961-041 Imperial

LIGHTWEIGHT INSULATION

FEATURES

- TurboFlex with weight-saving Duralectric L (light) insulation: 30% lighter than original Duralectric, best abrasion resistance, same great fluid/fire resistance as original Duralectric

How to Order TurboFlex®				
Sample Part Number	**961-041**	**-T**	**-A**	**-2**
Basic No.	**TurboFlex** with .025" Duralectric L (light) Insulation			
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)	**R, S, A, B, C, D, E, F, G**			
Duralectric L Insulation Color	See Table II			

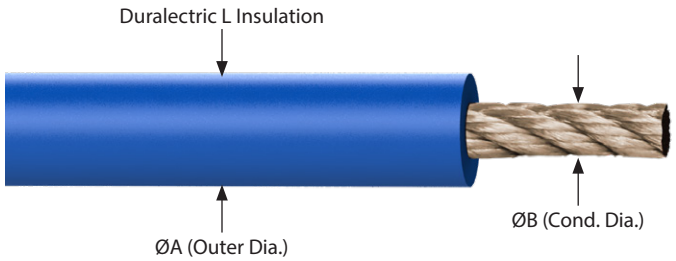

Table I: TurboFlex Wire Size, Dimensions, DC Resistance and Ampacity Ratings

AWG Code	AWG	Strand / Count / AWG	Cir Mil (nom)	Ø B in. (mm)	DC Resistance @ 20°C (Ohms / 1000 ft.)			Typical Ampacity (Amps) 40°C Ambient	
					Nickel Copper	Tin Copper	Silver Copper	Nickel/Silver Copper	Tin Copper
R	16	7 X 15/36	2625	.063 (1.60)	4.5510	4.5930	4.2780	15–35	15–30
S	14	7 X 24/36	4200	.080 (2.03)	2.8450	2.8710	2.6740	20–50	20–45
A	12	7 X 37/36	6475	.099 (2.51)	1.8450	1.8620	1.7340	30–70	30–60
B	10	7 X 59/36	10325	.126 (3.20)	1.1570	1.1680	1.0880	40–90	40–75
C	8	7 X 95/36	16625	.159 (4.04)	.7188	.7252	.6755	55–135	55–115
D	6	7 X 150/36	26250	.200 (5.08)	.4551	.4593	.4278	75–185	75–155
E	4	7 X 7 X 34/36	41650	.271 (6.88)	.2979	.3006	.2800	105–250	105–215
F	2	7 X 7 X 54/36	66150	.342 (8.69)	.1876	.1893	.1763	145–345	145–290
G	1/0	7 X 7 X 86/36	105350	.431 (10.95)	.1178	.1188	.1107	195–465	195–395

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 L 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

961-041 Wire Weight and Outer Diameter

AWG Code	Weight lbs/1000 ft. (nom.)	Ø A in. (mm)	Insulation wall thickness in. (mm)
R	11.60	.113 (2.87)	.025 (.64)
S	17.30	.130 (2.54)	
A	25.40	.149 (3.78)	
B	38.90	.176 (4.47)	
C	60.70	.209 (5.31)	
D	93.60	.250 (6.35)	
E	151.70	.321 (8.15)	
F	237.40	.392 (9.96)	
G	373.70	.481 (12.22)	

NOTES

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

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