

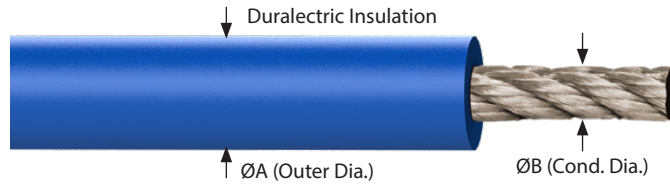
# TurboFlex<sup>®</sup> Aluminum Core, Duraelectric<sup>™</sup> D Insulation, 2000 VAC, 961-148 Imperial

GENERAL-DUTY • ALUMINUM CORE

### FEATURES

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

How to Order TurboFlex <sup>®</sup>					
<b>Sample Part Number</b>	<b>961</b>	<b>-148</b>	<b>-A</b>	<b>-A</b>	<b>-2</b>
<b>Basic No.</b>	TurboFlex with Duraelectric D Insulation				
<b>Wall Thickness</b>	-148 = .032"				
<b>Conductor Material</b>	-A = Aluminum (-65 – 200°C)				
<b>Wire Size (See Table I)</b>	R, S, A, B, C, D, E, F, G				
<b>Duraelectric D Insulation Color</b>	See Table II				



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	198
G	1/0	7 X 7 X 86/36	105350	.431 (10.95)	0.16	263

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.

Ambient Temp (°C)	Correction Factor
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
181 – 200	----
201 – 255	----

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

AWG Code	Weight lbs/1000 ft. (nom.)	Ø A in. (mm)	Insulation wall thickness in. (mm)
R	8.4	.127 (3.23)	.032 (0.81)
S	11.0	.144 (3.66)	
A	14.5	.163 (4.14)	
B	20.0	.190 (4.83)	
C	28.4	.223 (5.66)	
D	40.8	.264 (6.71)	
E	60.8	.335 (8.51)	
F	90.2	.406 (10.31)	
G	135.7	.495 (12.57)	

### NOTES

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