

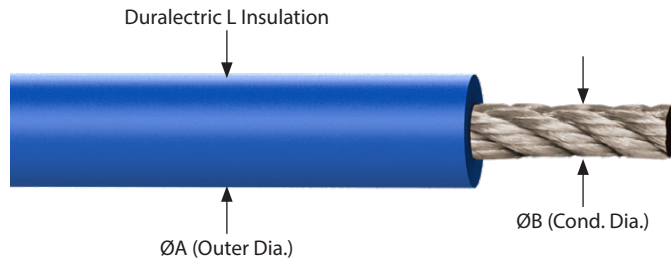
TurboFlex® Aluminum Core, Lightweight Duraelectric™ L Insulation, 1250 VAC • 961-042 Imperial

LIGHTWEIGHT INSULATION

FEATURES

- TurboFlex with Duraelectric L (light) insulation and aluminum conductor for lightest weight and best abrasion resistance

How to Order TurboFlex®				
Sample Part Number	961-042	-A	-C	-2
Basic No.	TurboFlex with .025" Duraelectric L (light) Insulation, aluminum conductor			
Conductor Material	-A = Aluminum (-65 – 200°C)			
Wire Size (See Table I)	R, S, A, B, C, D, E, F, G			
Duraelectric L Insulation Color	See Table II			



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
R	16	7 X 15/36	2625	.063 (1.60)	6.85	15–25
S	14	7 X 24/36	4200	.080 (2.03)	4.26	15–35
A	12	7 X 37/36	6475	.099 (2.51)	2.80	25–45
B	10	7 X 59/36	10325	.126 (3.20)	1.69	30–60
C	8	7 X 95/36	16625	.159 (4.04)	1.07	45–90
D	6	7 X 150/36	26250	.200 (5.08)	0.67	60–120
E	4	7 X 7 X 34/36	41650	.271 (6.88)	0.42	80–165
F	2	7 X 7 X 54/36	66150	.342 (8.69)	0.26	115–130
G	1/0	7 X 7 X 86/36	105350	.431 (10.95)	0.16	150–310

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.

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	5.4	.113 (2.87)	.025 (.64)
S	7.5	.130 (2.54)	
A	10.3	.149 (3.78)	
B	14.9	.176 (4.47)	
C	22.1	.209 (5.31)	
D	32.8	.250 (6.35)	
E	50.0	.321 (8.15)	
F	76.0	.392 (9.96)	
G	116.9	.481 (12.22)	

NOTES

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