

# TurboFlex® Copper Core, Duraelectric™ D Insulation, 2000 VAC 961-014 Metric

GENERAL-DUTY • COPPER CORE

### FEATURES

- .81mm Duraelectric D insulation for 2000 VAC, 2800 VDC rating

How to Order TurboFlex®					
<b>Sample Part Number</b>	<b>961</b>	<b>-014</b>	<b>-T</b>	<b>-G</b>	<b>-2</b>
<b>Basic No.</b>	TurboFlex with Duraelectric D Insulation				
<b>Wall Thickness</b>	-014 = .81mm				
<b>Conductor Material</b>	-T = Tin/Copper (-65 – 150°C) -S = Silver/Copper (-65 – 200°C) -N = Nickel/Copper (-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				

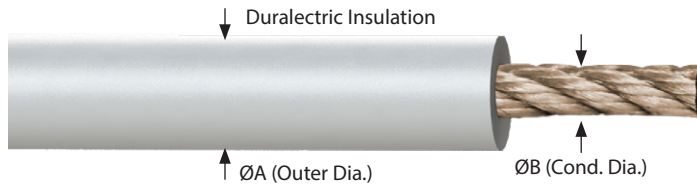


Table I: TurboFlex Wire Size, Dimensions, DC Resistance and Ampacity Ratings

AWG Code	mm <sup>2</sup>	Strand / Count / AWG	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
R	1.5	7 X 15/36	1.60	14.9273	15.0650	14.0318	40	36
S	2.5	7 X 24/36	2.03	9.3316	9.4169	8.7707	59	54
A	4	7 X 37/36	2.52	6.0516	6.1074	5.6875	78	68
B	6	7 X 59/36	3.20	3.7950	3.8310	3.5686	107	90
C	10	7 X 95/36	4.04	2.3577	2.3787	2.2156	142	124
D	16	7 X 150/36	5.08	1.4927	1.5065	1.4032	205	165
E	25	7 X 7 X 34/36	6.88	.9771	.9860	.9184	278	220
F	35	7 X 7 X 54/36	8.69	6.123	.6209	.5783	381	293
G	50	7 X 7 X 86/36	10.95	.3864	.3897	.3631	532	399

\*Metric equivalent to 36AWG is 0.0127mm<sup>2</sup>

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.

Wire Weight and Outer Diameter

AWG Code	Weight Kg /1000m (nom.)	Ø A mm	Insulation wall thickness mm
R	21.40	3.22	0.81mm
S	30.80	3.65	
A	43.80	4.14	
B	65.30	4.82	
C	99.60	5.66	
D	150.90	6.70	
E	241.70	8.50	
F	374.40	10.31	
G	584.40	12.57	

Table II: Duraelectric 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

### 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 ±.005