

TurboFlex® Copper Core, Duraelectric™ D Insulation, 4500 VAC 961-011 Metric

GENERAL-DUTY • COPPER CORE

FEATURES

- 3.18mm Duraelectric D insulation for 4500 VAC, 6300 VDC rating
- Service temperature range -65° to +200°C (consult factory for excursions beyond +200°C)

How to Order TurboFlex®					
Sample Part Number	961	-011	-C	-G	-2
Basic No.	TurboFlex with Duraelectric D Insulation				
Wall Thickness	-011 = 3.18mm				
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)	G, H, I, J, K, L, M, N, P				
Duraelectric D Insulation Color	See Table II				

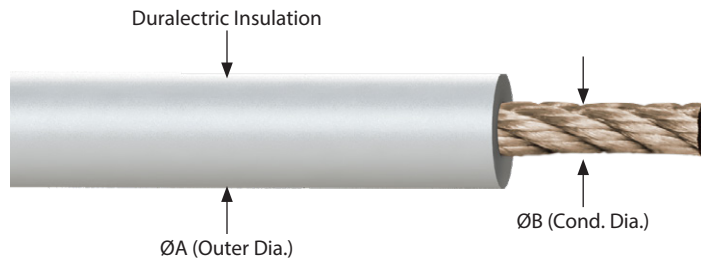


Table I: TurboFlex Wire Size, Dimensions, DC Resistance and Ampacity Ratings

AWG Code	mm ²	Strand / Count / AWG*	Ø B mm	DC Resistance @ 20°C (Ohms / 1000m)			Ampacity (Amps) 40°C Ambient	
				Nickel Copper	Tin Copper	Silver Copper	Nickel Copper	Tin/Silver Copper
G	50	7 X 7 X 86/36	10.95	.3864	.3897	.3631	532	399
H	70	19 X 7 X 42/36	12.60	.2942	.2968	.2765	---	---
I	95	19 X 7 X 51/36	13.90	.2421	.2444	.2276	708	546
J	120	19 X 7 X 75/36	16.84	.1647	.1663	.1548	910	705
K	150	19 X 7 X 91/36	18.57	.1358	.1371	.1276	---	---
L	185	19 X 7 X 106/36	20.04	.1164	.1178	.1096	1140	880
M	240	19 X 7 X 135/36	22.61	.0915	.0925	.0859	1320	1020
N	300	19 X 7 X 45/30	26.11	.0659	.0666	.0620	1580	1225
P	500	19 X 7 X 75/30	33.71	.0397	.0400	.0371	---	---

*Metric equivalent to 36AWG is 0.0127mm²

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: 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

Wire Weight and Outer Diameter

AWG Code	Weight Kg/1000m (nom)	Ø A mm	Insulation wall thickness mm
G	735.90	17.31	3.18
H	942.00	18.96	
I	1115.40	20.26	
J	1570.90	23.20	
K	1871.30	24.93	
L	2159.10	26.40	
M	2687.90	28.97	
N	3514.40	32.47	
P	5694.40	40.07	

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 ±10%