TurboFlex® Copper Core, Dual-layer Duralectric™ D Insulation/Jacket, 3000 VAC • 961-035 Imperial

FEATURES

- Inner Duralectric D insulation, outer Duralectric D jacket for abrasion protection
- If outer jacket is damaged, insulation color shows through providing immediate visual indication of damage

How to Order TurboFlex®					
Sample Part Number	**961–035**	**–C**	**–A**	**–2**	**–4**
Basic No.	**TurboFlex** with dual-layer Duralectric Insulation (inner Duralectric D .032", outer Duralectric D .030")				
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)	**A, B, C, D, E, F, G**				
Duralectric D Insulation Color	See Table II (.032" thick)				
Outer Ja Duralectric D cket Color	See Table II (.030" thick)				

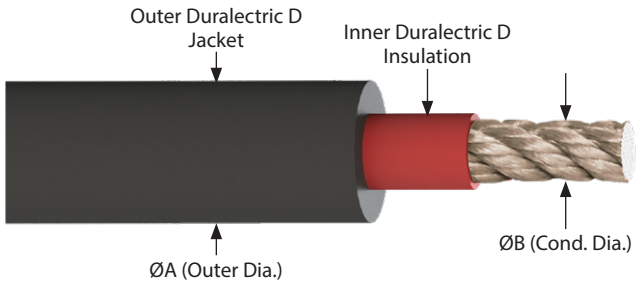

Table I: TurboFlex Wire Size, Dimensions, DC Resistance and Ampacity Ratings

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	Nickel/Silver Copper	Tin Copper
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
H	2/0	7 X 7 X 108/36	132300	.483 (12.27)	.0938	.0946	.0882	225–540	225–460

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 Jacket 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
OG	Dark Olive Green
DT	Desert Tan

Consult factory for other specific colors

Wire Weight and Outer Diameter

AWG Code	Weight lbs/1000 ft. (nom.)	Ø A in. (mm)	Jacket wall thickness in. (mm)
A	40.20	.223 (5.66)	.062 (1.57)
B	56.20	.250 (6.35)	
C	81.00	.283 (7.19)	
D	117.90	.324 (8.23)	
E	182.80	.395 (10.03)	
F	275.90	.466 (11.84)	
G	422.00	.555 (14.10)	
H	521.40	.607 (15.42)	

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 ±.010

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