

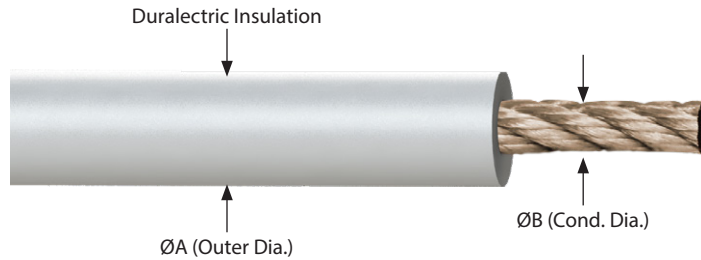
# TurboFlex<sup>®</sup> Copper Core, Duraelectric<sup>™</sup> D Insulation, 3000 VAC 961-006 Metric

GENERAL-DUTY • COPPER CORE

### FEATURES

- 1.57 mm Duraelectric D insulation for 3500 VAC, 4900 VDC rating
- Service temperature range -65° to +200°C (consult factory for excursions beyond +200°C)

How to Order TurboFlex <sup>®</sup>					
<b>Sample Part Number</b>	<b>961</b>	<b>-006</b>	<b>-T</b>	<b>-G</b>	<b>-2</b>
<b>Basic No.</b>	TurboFlex with Duraelectric D Insulation				
<b>Wall Thickness</b>	-006 = 1.57mm				
<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>	A, B, C, D, E, F, G, H				
<b>Duraelectric D Insulation Color</b>	See Table II				



AWG Code	mm <sup>2</sup>	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
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	2.377	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	.6153	.6209	.5783	381	293
G	50	7 X 7 X 86/36	10.95	.3864	.3897	.3631	532	399
H	70	7 X 7 X 108/36	12.60	.2942	.2968	.2765	----	----

\*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.

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

AWG Code	Weight Kg/1000m (nom.)	Ø A mm	Insulation wall thickness mm
A	59.80	5.66	1.57
B	83.60	6.34	
C	120.50	7.18	
D	175.50	8.22	
E	272.00	10.02	
F	410.60	11.83	
G	628.00	14.09	
H	822.70	15.74	

### 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%