

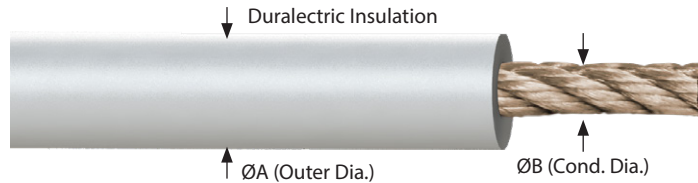
TurboFlex® Copper Core, Duraelectric™ D Insulation, 3500 VAC 961-012 Metric

GENERAL-DUTY • COPPER CORE

FEATURES

- 2.36mm 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®					
Sample Part Number	961	-012	-T	-G	-2
Basic No.	TurboFlex with Duraelectric D Insulation				
Wall Thickness	-012 = 2.36mm				
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)	C, D, E, F, G, H, I, J, K, L, M, N				
Duraelectric D Insulation Color	See Table II				



AWG Code	mm ²	Strand / Count / AWG	Ø B mm	DC Resistance @ 20°C (Ohms / 1000 m)			Ampacity (Amps) 40°C Ambient	
				Nickel Copper	Tin Copper	Silver Copper	Nickel Copper	Tin/Silver Copper
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	.6153	.6209	.5783	381	293
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	18.557	.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	.062	-----	-----

*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.

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
C	147.50	8.76	2.36
D	206.00	9.80	
E	308.60	11.61	
F	453.30	13.41	
G	678.30	15.67	
H	878.60	16.84	
I	1047.50	18.62	
J	1492.80	21.56	
K	1787.10	23.29	
L	2069.80	24.76	
M	2589.50	27.33	
N	3403.90	30.83	

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%