

TurboFlex® R Copper Core, Duraelectric™ L Insulation, 2000 VAC 961-108-2000 Imperial

GENERAL-DUTY • COPPER CORE

TURBOFLEX FEATURES

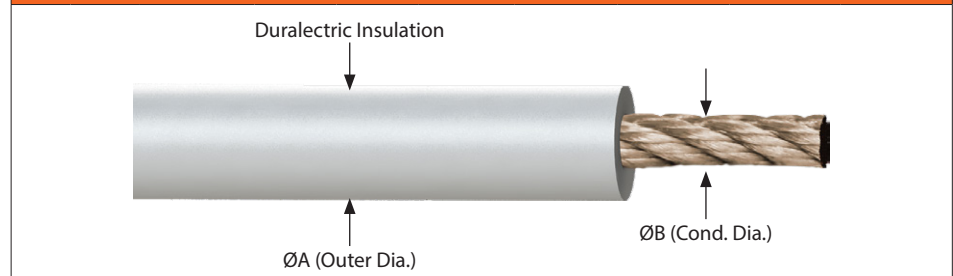
- Ultra-flexible rope lay power cable construction
- Wire gauges and insulation optimized for PowerPlay™ connectors
- Equipped with ruggedized Duraelectric L (Light) insulation

DURAELECTRIC LIGHT PERFORMANCE SUMMARY

- Service temperature range: -65°C to +200°C
- Fire-resistant and Low Smoke Zero Halogen (LSZH)
- Excellent abrasion resistance
- 30% lighter than Duraelectric D
- 50% lighter than Teflon®

HOW TO ORDER						
Sample Part Number	961	-108	-2000	-00	-N	-0
Basic No.	TurboFlex single-wall hookup wire					
Insulation Material	-108 = Duraelectric Light					
Voltage Rating	-2000 = 2000 VAC					
Wire Size Code (See Table I)	-8, -4, -2, -0, -00, -0000					
Conductor Material	-N = Nickel/Copper (-60° – 200°C) -S = Silver/Copper (-60° – 200°C) -T = Tin/Copper (-60° – 150°C)					
Insulation Color	See Insulation Color table					

TURBOFLEX WIRE SIZE, DIMENSIONS, DC RESISTANCE AND AMPACITY RATINGS



Wire Size Code	AWG	Strand / Count / AWG	Cir Mil (nom)	Weight lbs/1000 ft. (nom.)	Ø A ±.025	Ø B Ref.	DC Resistance @ 20°C (Ohms / 1000 ft.)		
							Nickel Copper	Silver Copper	Tin Copper
8	8	7 X 95/36	16625	64.51	.250 (6.35)	.159 (4.04)	.7188	.6755	.7252
4	4	7 X 7 X 34/36	41650	155.50	.364 (9.25)	.271 (6.88)	.2979	.2800	.3006
2	2	7 X 7 X 54/36	66150	240.20	.436 (11.07)	.342 (8.69)	.1876	.1763	.1893
0	1/0	7 X 7 X 86/36	105350	374.81	.528 (13.41)	.431 (10.95)	.1178	.1107	.1188
00	2/0	7 X 7 X 108/36	132300	466.58	.581 (14.76)	.483 (12.27)	.0938	.0882	.0946
0000	4/0	19 X 7 X 64/36	212800	745.91	.714 (18.14)	.613 (15.57)	.0588	.0553	.0594

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 ±10%