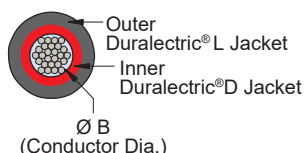
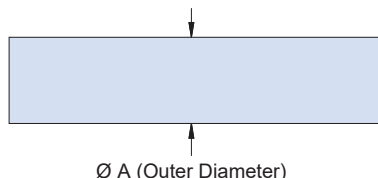


with dual-layer Duraelectric™ D / L jacketing, .062" wall, 3000 VAC
961-035

961-035 TURBOFLEX, DUAL-LAYER JACKET, .062" WALL (2X .031"), 3000 VAC

- Inner Duraelectric D jacket, outer Duraelectric L jacket for abrasion protection
- If outer jacket is damaged, inner jacket 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 Duraelectric Jacket (inner Duraelectric D, outer Duraelectric L)				
Conductor Material	-C = Bare Copper (-60 – 150°C) -T = Tin/Copper (-60 – 150°C) -S = Silver/Copper (-60 – 200°C) -N = Nickel/Copper (-60 – 260°C)				
Wire Size (See Table I)	A, B, C, D, E, F, G				
Inner Jacket Color	See Table II (.031" thick)				
Outer Jacket Color	See Table II (.031" thick)				



Voltage Ratings		
P/N	AC Voltage Rating, RMS	DC Voltage Rating
961-035	3000	4200

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.)			Ampacity (Amps) 40°C Ambient		
					Nickel Copper	Tin Copper	Silver/Bare Copper	Nickel Copper	Tin/Silver Copper	Bare Copper
A	12	7 X 37/36	6475	.099 (2.51)	1.8450	1.8620	1.7340	78	68	40
B	10	7 X 59/36	10325	.126 (3.20)	1.1570	1.1680	1.0880	107	90	55
C	8	7 X 95/36	16625	.159 (4.04)	.7188	.7252	.6755	142	124	80
D	6	7 X 150/36	26250	.200 (5.08)	.4551	.4593	.4278	205	165	105
E	4	7 X 7 X 34/36	41650	.271 (6.88)	.2979	.3006	.2800	278	220	140
F	2	7 X 7 X 54/36	66150	.342 (8.69)	.1876	.1893	.1763	381	293	190
G	1/0	7 X 7 X 86/36	105350	.431 (10.95)	.1178	.1188	.1107	532	399	260
H	2/0	7 X 7 X 108/36	132300	.483 (12.27)	.0938	.0946	.0882	591	467	300

Table II: Duraelectric™ Jacket Color		
Weatherproof, halogen free, flame resistant, functional to 260°C		
0	Black	Fed-Std-595C #17038
1	Brown	[TBD]
2	Red	Fed-Std-595C #11120
3	Orange	Fed-Std-595C #12300
4	Yellow	Fed-Std-595C #13591
5	Kelly Green	Fed-Std-595C #14193
6	Blue	Fed-Std-595C #15125
7	Violet	Fed-Std-595C #17142
8	Gray	Fed-Std-595C #26270
9	White	Fed-Std-595C #17875
OG	Dark Olive Green	Fed-Std-595C #34094
DT	Desert Tan	Fed-Std-595C #33446
Consult factory for other specific Fed Std colors		

961-035 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. Jacket thickness tolerance is ±10%