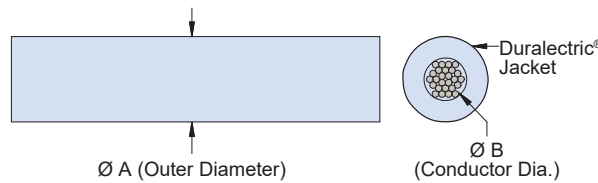


with Duraelectric™ K jacket for low-temperature tolerance and gamma radiation resistance • 961-033

961-033 TURBOFLEX WITH DURALECTRIC K JACKET, .016" – .062" WALL

- TurboFlex with Duraelectric K jacket for low-temperature tolerance and gamma radiation resistance
- Ultra Low Temp Flexibility to -110°C (163 Kelvin)
- Perfect for spacecraft, satellites, nuclear environments

How to Order TurboFlex®				
Sample Part Number	961-033	-T	-A	-2
Basic No.	TurboFlex with Duraelectric L (light) Jacket			
Conductor Material	-T = Tin/Copper (-60 -150°C) -S = Silver/Copper (-60 -200°C) -N = Nickel/Copper (-60 -260°C)			
Wire Size (See Table I)	R, S, A, B, C, D, E, F, G			
Duraelectric L Jacket Color	See Table II			



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 Copper or Bare Copper	Nickel Copper	Tin/Silver Copper	Bare Copper
T	20	42/36	1050	.037 (0.94)	10.7178	10.7538	10.0747	16	14	9
R	16	7 X 15/36	2625	.063 (1.60)	4.5510	4.5930	4.2780	40	36	24
S	14	7 X 24/36	4200	.080 (2.03)	2.8450	2.8710	2.6740	59	54	35
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

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

AWG Code	Weight lbs/1000 ft. (nom.)	Ø A in. (mm)	Jacket wall thickness in. (mm)
T	5.00	.069 (1.75)	.016 (0.41)
R	11.10	.095 (2.41)	
S	20.70	.144 (3.66)	
A	29.40	.163 (4.14)	.032 (0.81)
B	43.90	.190 (4.83)	
C	66.90	.223 (5.66)	
D	101.40	.264 (6.71)	
E	162.40	.335 (8.51)	
F	275.90	.466 (11.84)	.062 (1.57)
G	422.00	.555 (14.10)	

Ambient Temp (°C)	For ambient temperatures other than 40°C (104°F), multiply the ampacity by the appropriate factor below
41 – 50	0.97
51 – 60	0.94
61 – 70	0.90
71 – 80	0.87
81 – 90	0.83
91 – 100	0.79
101 – 120	0.71
121 – 140	0.61
141 – 160	0.50
161 – 180	0.35

NOTES

1. Bend radius is 3X the outer diameter
2. Cable will be marked with "GLENAIR TURBOFLEX K", wire gauge, part number, CAGE 06324.
3. Jacket thickness tolerance is ±.002 for .016" thickness, ±.005 for .032" thickness, ±10% for .125" thickness