

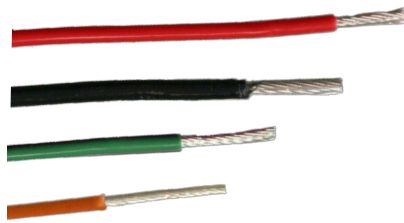
# HIGH-TEMPERATURE TOLERANT ThermaRex HT Interconnect Ecosystem



Flexible Wire, Nickel/Copper conductor  
961-047

THERMAREX™ HT

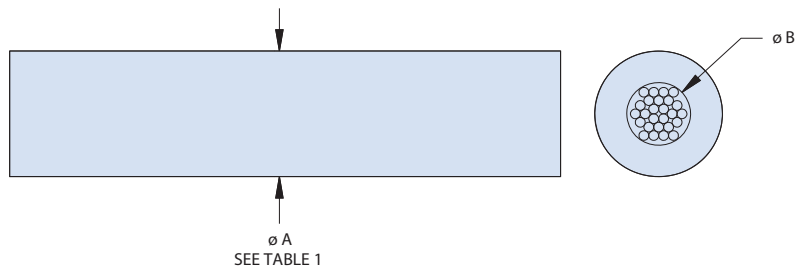
## 961-047, -65 TO 300°C, STRANDED COPPER WIRE



How To Order				
Sample Part Number	961-047	-N	-A	2
Series / Basic Part No.	961-047 = 300°C ThermaRex Wire			
Material	N = Nickel/Copper (-65°C to 300°C)			
Wire Size	See Table I			
Jacket Color	See Table II			

### NOTES

- Bend Radius is 3X the O.D.
- Voltage rating is 1000 volts AC
- Insulation material is 300°C high temperature thermoplastic



Awg Code	Awg	Strand/Count/Awg	Cir Mil (Nom)	Weight Lbs/1000' (Nom)	Ø A	Ø B	Nickel Copper DC Res @ 20°C ohms/1000ft	Nickel Copper Ampacity (Amps) 40°C Ambient (See Note 2)	Jacket Wall Thickness (In)
A	24	19/36	475	3.45	0.044 (1.12)	0.024 (0.61)	38.4	TBD	0.010 (0.25)
B	22	19/34	754	4.58	0.050 (1.27)	0.030 (0.76)	24.1	TBD	0.010 (0.25)
C	20	19/32	1216	6.43	0.068 (1.73)	0.038 (0.97)	14.8	16	0.015 (0.38)
D	16	37/31	2931	13.1	0.090 (2.29)	0.060 (1.52)	6.33	40	0.015 (0.38)
E	14	7x7/30	4900	21.1	0.121 (3.07)	0.091 (2.31)	3.87	59	0.015 (0.38)
F	12	7x7/29	6257	25.9	0.132 (3.35)	0.102 (2.59)	3.03	78	0.015 (0.38)
G	10	7x19/31	10535	41.5	0.157 (3.99)	0.127 (3.23)	1.81	107	0.015 (0.38)
H	8	7x19/29	16983	63.9	0.191 (4.85)	0.161 (4.09)	1.12	142	0.015 (0.38)
J	6	7x19/27	27200	TBD	0.233 (5.92)	0.203 (5.16)	0.68	TBD	0.015 (0.38)

Color Code	Color
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Kelly Green
6	Blue
7	Violet
8	Gray
9	White

For ambient temperatures other than 40°C (104°F), multiply the allowable ampacities by the appropriate factor shown below.			
Ambient Temp. (°C)	Correction Factors	Ambient Temp. (°C)	Correction Factors
41-50	0.98	161-170	0.71
51-60	0.96	171-180	0.69
61-70	0.94	181-190	0.66
71-80	0.92	191-200	0.63
81-90	0.90	201-210	0.60
91-100	0.88	211-220	0.56
101-110	0.86	221-230	0.53
111-120	0.84	231-240	0.49
121-130	0.81	241-250	0.45
131-140	0.79	251-260	0.40
141-150	0.77	261-270	0.35
151-160	0.74	271-280	0.29