

MI Cable Spacing Guide

Thermocouple

Outside diameter of cable	Diameter tolerance +/-	Conductor diameter	Bolt circle diameter	Inter wire spacing	Sheath thickness	Inside diameter	Proposed end cap size dia
S i m p l e x							
1.5	0.025	0.25	0.46	0.21	0.18	1.14	1.10
2.0	0.025	0.33	0.64	0.31	0.23	1.54	1.50
3.0	0.030	0.48	0.94	0.46	0.33	2.34	2.20
4.5	0.045	0.74	1.40	0.66	0.51	3.48	3.40
6.0	0.060	0.99	1.88	0.89	0.69	4.62	4.50
8.0	0.080	1.30	2.49	1.19	0.91	6.18	5.80
D u p l e x							
3.0	0.030	0.46	1.14	0.68	0.33	2.34	2.20
4.5	0.045	0.69	1.70	1.01	0.51	3.48	3.40
6.0	0.060	0.91	2.29	1.38	0.69	4.62	4.60
8.0	0.080	1.22	3.02	1.80	0.91	6.18	5.80

All TTL cable is Class 1/Grade A
 Supplied with material & calibration certification

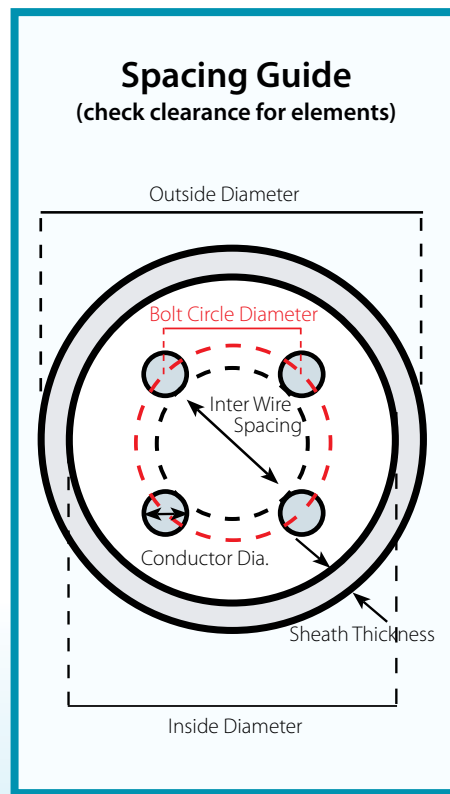
Accuracy in accordance with IEC 584-1 & IEC 584-2

Cable manufactured to ASTM E 585 / E 585M - 99 and IEC 15151



RTD

Outside diameter of cable	Diameter tolerance +/-	Conductor diameter	Bolt circle diameter	Inter wire spacing	Sheath thickness	Inside diameter	Proposed end cap size dia
4 w i r e , Y C 8 s p a c i n g							
3.0	0.030	0.43	1.14	0.71	0.33	2.34	2.20
4.5	0.045	0.66	1.70	1.04	0.51	3.48	3.40
4.8	0.048	0.69	1.80	1.11	0.53	3.74	3.56
6.0	0.060	0.86	2.29	1.43	0.69	4.62	4.60
8.0	0.080	1.14	3.02	1.88	0.91	6.18	5.80
4 w i r e , C 9 s p a c i n g							
3.0	0.030	0.33	1.63	1.30	0.25	2.50	2.39
4.5	0.045	0.51	2.41	1.90	0.38	3.74	3.40
4.8	0.048	0.53	2.57	2.04	0.41	3.98	3.56
6.0	0.060	0.66	3.23	2.57	0.51	4.98	4.69
8.0	0.080	0.89	4.29	3.40	0.69	6.62	5.80
6 w i r e , s t d s p a c i n g							
4.5	0.045	0.53	2.13	1.60	0.38	3.74	3.40
4.8	0.048	0.58	2.26	1.68	0.41	3.98	3.56
6.0	0.060	0.71	2.84	2.13	0.51	4.98	4.69
8.0	0.080	0.97	3.76	2.79	0.69	6.62	5.80
6 w i r e , C 7 s p a c i n g							
4.5	0.045	0.51	2.41	1.90	0.38	3.74	3.40
4.8	0.048	0.53	2.57	2.04	0.41	3.98	3.56
6.0	0.060	0.66	3.23	2.57	0.51	4.98	4.69
8.0	0.080	0.89	4.29	3.40	0.69	6.62	5.80



Please Note: All list prices are subject to change.
 Check website www.temperaturetechnology.com for up to date information



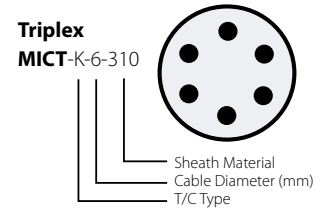
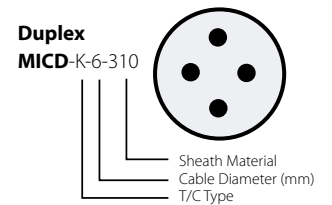
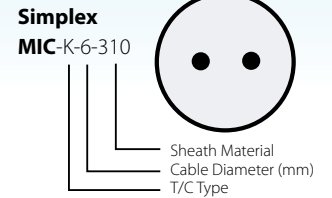
Mineral Insulated Cable

MINERAL INSULATED CABLE

MI Cable Pricing

Cable Diameter		T/C Type	Sheath	Price					
(mm)	(inches)			Simplex GBP	Simplex EUR	Duplex GBP	Duplex EUR	Triplex GBP	Triplex EUR
Single wall									
1.5	0.059	K,J,E,N,T	SS 304	£1.60	€ 2.08				
			SS 310	£1.80	€ 2.34				
			SS 316	£1.65	€ 2.15				
			SS 321	£1.65	€ 2.15				
			Inconel 600	£2.10	€ 2.73				
			Incoloy 800	£2.10	€ 2.73				
1.6	0.063	K,J,E,N,T	SS 304	£1.70	€ 2.21				
			SS 310	£1.95	€ 2.54				
			SS 316	£1.75	€ 2.28				
			SS 321	£1.75	€ 2.28				
			Inconel 600	£2.20	€ 2.86				
			Incoloy 800	£2.20	€ 2.86				
2.0	0.079	K,J,E,N,T	SS 304	£1.85	€ 2.41	£2.45	€ 3.19		
			SS 310	£2.15	€ 2.80	£2.75	€ 3.58		
			SS 316	£1.85	€ 2.41	£2.45	€ 3.19		
			SS 321	£1.85	€ 2.41	£2.45	€ 3.19		
			Inconel 600	£2.60	€ 3.38	£3.20	€ 4.16		
			Incoloy 800	£2.50	€ 3.25	£3.15	€ 4.10		
2.2	0.087	K,J,E,N,T	SS 304	£1.85	€ 2.41	£2.45	€ 3.19		
			SS 310	£2.15	€ 2.80	£2.75	€ 3.58		
			SS 316	£1.85	€ 2.41	£2.45	€ 3.19		
			SS 321	£1.85	€ 2.41	£2.45	€ 3.19		
			Inconel 600	£2.60	€ 3.38	£3.20	€ 4.16		
			Incoloy 800	£2.50	€ 3.25	£3.15	€ 4.10		
3.0	0.118	K,J,E,N,T	SS 304	£1.90	€ 2.47	£2.60	€ 3.38	£3.25	€ 4.23
			SS 310	£2.30	€ 2.99	£3.00	€ 3.90	£3.65	€ 4.75
			SS 316	£1.90	€ 2.47	£2.60	€ 3.38	£3.30	€ 4.29
			SS 321	£1.90	€ 2.47	£2.60	€ 3.38	£3.30	€ 4.29
			Inconel 600	£3.00	€ 3.90	£3.60	€ 4.68	£4.40	€ 5.72
			Incoloy 800	£2.75	€ 3.58	£3.45	€ 4.49	£4.10	€ 5.33
3.2	0.125	K,J,E,N,T	SS 304	£2.00	€ 2.60	£2.70	€ 3.51	£3.40	€ 4.42
			SS 310	£2.60	€ 3.38	£3.25	€ 4.23	£3.90	€ 5.07
			SS 316	£2.15	€ 2.80	£2.85	€ 3.71	£3.50	€ 4.55
			SS 321	£2.15	€ 2.80	£2.85	€ 3.71	£3.50	€ 4.55
			Inconel 600	£3.30	€ 4.29	£4.10	€ 5.33	£4.70	€ 6.11
			Incoloy 800	£3.05	€ 3.97	£3.75	€ 4.88	£4.40	€ 5.72
4.0	0.157	K,J,E,N,T	SS 304	£2.75	€ 3.58	£3.50	€ 4.55	£4.30	€ 5.59
			SS 310	£3.65	€ 4.75	£4.40	€ 5.72	£5.15	€ 6.70
			SS 316	£3.10	€ 4.03	£3.90	€ 5.07	£4.65	€ 6.05
			SS 321	£3.10	€ 4.03	£3.90	€ 5.07	£4.65	€ 6.05
			Inconel 600	£5.20	€ 6.76	£6.20	€ 8.06	£7.00	€ 9.10
			Incoloy 800	£4.20	€ 5.46	£5.00	€ 6.50	£5.75	€ 7.48
4.5	0.177	K,J,E,N,T	SS 304	£3.15	€ 4.10	£4.00	€ 5.20	£4.80	€ 6.24
			SS 310	£4.40	€ 5.72	£4.25	€ 5.53	£6.10	€ 7.93
			SS 316	£3.80	€ 4.94	£4.65	€ 6.05	£5.45	€ 7.09
			SS 321	£3.80	€ 4.94	£4.65	€ 6.05	£5.45	€ 7.09
			Inconel 600	£6.70	€ 8.71	£7.60	€ 9.88	£8.40	€ 10.92
			Incoloy 800	£5.30	€ 6.89	£6.15	€ 8.00	£7.00	€ 9.10

TTL Part Numbers:

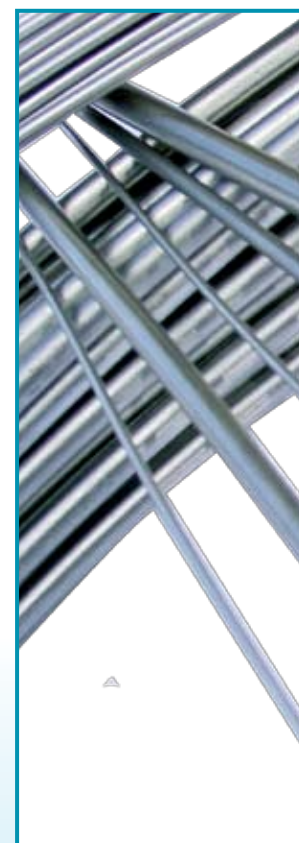
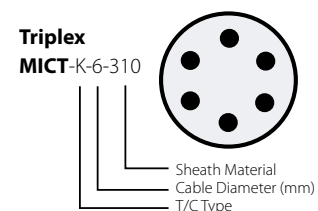
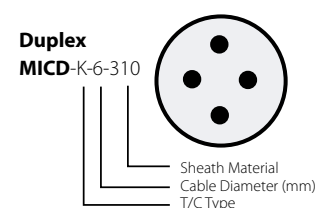
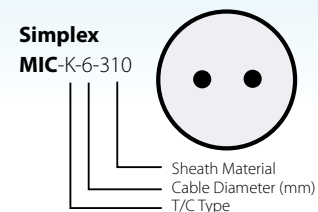


MINERAL INSULATED CABLE

MI Cable Pricing

Cable Diameter		T/C Type	Sheath	Price					
(mm)				Simplex GBP	Simplex EUR	Duplex GBP	Duplex EUR	Triplex GBP	Triplex EUR
Singlewall cont.									
4.8	0.188	K,J,E,N,T	SS 304	£3.50	€ 4.55	£4.45	€ 5.79	£5.30	€ 6.89
			SS 310	£4.95	€ 6.44	£5.80	€ 7.54	£6.65	€ 8.65
			SS 316	£4.25	€ 5.53	£5.10	€ 6.63	£5.95	€ 7.74
			SS 321	£4.25	€ 5.53	£5.10	€ 6.63	£5.95	€ 7.74
			Inconel 600	£7.50	€ 9.75	£8.55	€ 11.12	£9.20	€ 11.96
			Incoloy 800	£5.95	€ 7.74	£6.85	€ 8.91	£7.70	€ 10.01
5.5	0.216	K,J,E,N,T	SS 304	£4.15	€ 5.40	£5.20	€ 6.76	£6.25	€ 8.13
			SS 310	£6.05	€ 7.87	£7.10	€ 9.23	£8.20	€ 10.66
			SS 316	£4.80	€ 6.24	£5.85	€ 7.61	£6.90	€ 8.97
			SS 321	£4.80	€ 6.24	£5.88	€ 7.64	£6.90	€ 8.97
			Inconel 600	£9.70	€ 12.61	£10.75	€ 13.98	£11.80	€ 15.34
			Incoloy 800	£7.30	€ 9.49	£8.35	€ 10.86	£9.40	€ 12.22
6.0	0.236	K,J,E,N,T	SS 304	£4.60	€ 5.98	£5.70	€ 7.41	£6.85	€ 8.91
			SS 310	£7.15	€ 9.30	£8.30	€ 10.79	£9.40	€ 12.22
			SS 316	£5.20	€ 6.76	£6.30	€ 8.19	£7.40	€ 9.62
			SS 321	£5.20	€ 6.76	£6.30	€ 8.19	£7.40	€ 9.62
			Inconel 600	£11.50	€ 14.95	£12.65	€ 16.45	£13.80	€ 17.94
			Incoloy 800	£8.50	€ 11.05	£9.70	€ 12.61	£10.80	€ 14.04
6.4	0.250	K,J,E,N,T	SS 304	£5.20	€ 6.76	£6.30	€ 8.19	£7.40	€ 9.62
			SS 310	£8.00	€ 10.40	£9.15	€ 11.90	£10.30	€ 13.39
			SS 316	£5.85	€ 7.61	£6.95	€ 9.04	£8.05	€ 10.47
			SS 321	£5.85	€ 7.61	£6.95	€ 9.04	£8.05	€ 10.47
			Inconel 600	£12.95	€ 16.84	£14.15	€ 18.40	£15.10	€ 19.63
			Incoloy 800	£9.60	€ 12.48	£10.80	€ 14.04	£11.90	€ 15.47
8.0	0.313	K,J,E,N,T	SS 304	£8.25	€ 10.73	£9.70	€ 12.61	£11.15	€ 14.50
			SS 310	£11.50	€ 14.95	£13.00	€ 16.90	£14.45	€ 18.79
			SS 316	£9.35	€ 12.16	£10.80	€ 14.04	£12.25	€ 15.93
			SS 321	£9.35	€ 12.16	£10.80	€ 14.04	£12.25	€ 15.93
			Inconel 600	£19.10	€ 24.83	£21.00	€ 27.30	£22.10	€ 28.73
			Incoloy 800	£13.80	€ 17.94	£15.50	€ 20.15	£16.75	€ 21.78
9.5	0.375	K,J,E,N,T	SS 304	£11.30	€ 14.69	£13.15	€ 17.10	£14.95	€ 19.44
			SS 310	£16.00	€ 20.80	£17.75	€ 23.08	£19.55	€ 25.42
			SS 316	£13.00	€ 16.90	£14.75	€ 19.18	£16.55	€ 21.52
			SS 321	£13.00	€ 16.90	£14.75	€ 19.18	£16.55	€ 21.52
			Inconel 600	£27.50	€ 35.75	£29.30	€ 38.09	£31.00	€ 40.30
			Incoloy 800	£19.20	€ 24.96	£21.00	€ 27.30	£22.75	€ 29.58
12.7	0.500	K,J,E,N,T	SS 304	£21.80	€ 28.34	£25.20	€ 32.76	£28.58	€ 37.15
			SS 310	£26.50	€ 34.45	£30.00	€ 39.00	£33.30	€ 43.29
			SS 316	£21.80	€ 28.34	£25.20	€ 32.76	£28.58	€ 37.15
			SS 321	£21.80	€ 28.34	£25.20	€ 32.76	£28.58	€ 37.15
			Inconel 600	£46.00	€ 59.80	£49.15	€ 63.90	£52.95	€ 68.84
			Incoloy 800	£31.80	€ 41.34	£35.20	€ 45.76	£38.60	€ 50.18
Double wall									
5.5	0.217	K,J,E,N,T	SS 310	£8.80	€ 11.44	£9.85	€ 12.81		
			Inconel 600	£16.90	€ 21.97	£17.90	€ 23.27		
10.8	0.425	K,J,E,N,T	SS 310	£29.60	€ 38.48	£32.25	€ 41.93		
			Inconel 600	£61.00	€ 79.30	£63.65	€ 82.75		

TTL Part Numbers:





Mineral Insulated Cable

MINERAL INSULATED RTD CABLE

Part number generator: MIR - Conductor Material - No of Cores - Sheath Material - Spacing
eg. **MIR-NI-4-6-316-C9**

RTD Cable Pricing

316 Sheath (9% wall) - Nickel (Ni) or Copper (Cu) Conductors

Cable OD		Conductors									
		2		3		4		6		8	
mm	Inches	GBP	EUR	GBP	EUR	GBP	EUR	GBP	EUR	GBP	EUR
2.00	0.079	£1.25	€ 1.63	£1.55	€ 2.02	£1.80	€ 2.34				
2.20	0.087	£1.55	€ 2.02	£1.80	€ 2.34	£2.10	€ 2.73				
3.00	0.118	£1.90	€ 2.47	£2.25	€ 2.93	£2.35	€ 3.06	£2.85	€ 3.71		
3.20	0.125	£2.10	€ 2.73	£2.50	€ 3.25	£2.65	€ 3.45	£3.15	€ 4.10		
4.50	0.177	£3.95	€ 5.14	£4.40	€ 5.72	£4.60	€ 5.98	£5.65	€ 7.35	£6.25	€ 8.13
4.80	0.188	£4.45	€ 5.79	£4.95	€ 6.44	£5.15	€ 6.70	£6.35	€ 8.26	£7.00	€ 9.10
6.00	0.236	£5.45	€ 7.09	£5.95	€ 7.74	£6.20	€ 8.06	£7.00	€ 9.10	£7.70	€ 10.01
6.40	0.250	£6.15	€ 8.00	£6.70	€ 8.71	£7.00	€ 9.10	£7.90	€ 10.27	£8.70	€ 11.31
8.00	0.313	£9.50	€ 12.35	£10.20	€ 13.26	£10.75	€ 13.98	£11.50	€ 14.95	£12.60	€ 16.38
9.50	0.375	£12.95	€ 16.84	£13.75	€ 17.88	£14.50	€ 18.85	£15.20	€ 19.76	£16.70	€ 21.71

316Y or 321Y Sheath (11% wall) - Nickel (Ni) or Copper (Cu) Conductors

Cable OD		Conductors									
		2		3		4		6		8	
mm	Inches	GBP	EUR	GBP	EUR	GBP	EUR	GBP	EUR	GBP	EUR
2.00	0.079	£1.55	€ 2.02	£1.70	€ 2.21	£2.00	€ 2.60				
2.20	0.087	£1.70	€ 2.21	£2.00	€ 2.60	£2.25	€ 2.93				
3.00	0.118	£2.15	€ 2.80	£2.45	€ 3.19	£2.70	€ 3.51	£3.20	€ 4.16		
3.20	0.125	£2.35	€ 3.06	£2.80	€ 3.64	£2.95	€ 3.84	£3.55	€ 4.62		
4.50	0.177	£4.40	€ 5.72	£4.95	€ 6.44	£5.20	€ 6.76	£6.30	€ 8.19	£7.00	€ 9.10
4.80	0.188	£4.95	€ 6.44	£5.55	€ 7.22	£5.80	€ 7.54	£7.10	€ 9.23	£7.85	€ 10.21
6.00	0.236	£6.10	€ 7.93	£6.65	€ 8.65	£7.00	€ 9.10	£7.80	€ 10.14	£8.60	€ 11.18
6.40	0.250	£6.85	€ 8.91	£7.50	€ 9.75	£7.85	€ 10.21	£8.80	€ 11.44	£9.70	€ 12.61
8.00	0.313	£10.65	€ 13.85	£11.40	€ 14.82	£12.05	€ 15.67	£12.85	€ 16.71	£14.15	€ 18.40
9.50	0.375	£14.50	€ 18.85	£15.50	€ 20.15	£16.25	€ 21.13	£17.00	€ 22.10	£18.60	€ 24.18

Tungsten / Rhenium Wire

Tungsten 5% Rhenium vs Tungsten 26% Rhenium wire #24 AWG (0.5mm) 74.60 GBP/m 96.98 EUR/m

Tungsten 5% Rhenium vs Tungsten 26% Rhenium wire #30 AWG (0.25mm) 27.70 GBP/m 36.01 EUR/m

Calibration certification included.

MgO Powder

MgO Powder – Standard Purity (order in 22.73kg cartons) 14.60 GBP/kg 18.98 EUR/kg

MgO Powder – High Purity (order in 25kg cartons) 22.90 GBP/kg 29.77 EUR/kg

TTL are now able to offer cable cutting

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Check website www.temperaturetechnology.com for up to date information