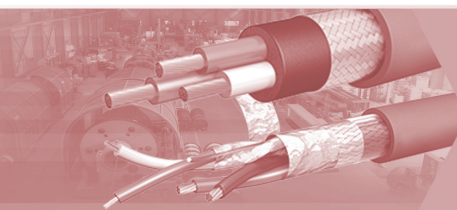


Thermocouple Duplex Wire



Features

Use exact same conductor as thermocouple, yielding exact temperature measurements.
Usually used in high-temperature, short-distance setting.


Applicable Standard

- KS C 1602
- Manufacturer's standard


Materials & Construction

- ① Conductor : Thermocouple wire
- ② Insulation : Fluororesin or Glass yarn braided
- ③ Sheath & Shield : Tinned-copper braided (PSC-*-S) / Glass yarn braided (PSC-*-H)
Fluororesin (PSC-*-T)


Glass yarn braid insulated with outer Copper braid

Product Image	Type	Product Name	Outer diameter (mm)	Insulation (mm)	Sheath (mm)	Approx. O.D (mm)	Weight (Kg/200m)
	K	PSC-K1-S	Solid 0.60	0.3	0.3	1.8 X 3.0	3.6
	E	PSC-E1-S					
	J	PSC-J1-S					
	T	PSC-T1-S					
	K	PSC-K2-S	Solid 0.32	0.3	0.3	1.52 x 2.44	2.6
	E	PSC-E2-S					
	J	PSC-J2-S					
	T	PSC-T2-S					

Glass yarn braid insulated with outer Glass yarn braid

Product Image	Type	Product Name	Outer diameter (mm)	Insulation (mm)	Sheath (mm)	Approx. O.D (mm)	Weight (Kg/200m)
	K	PSC-K1-H	Solid 0.60	0.3	0.3	1.8 X 3.0	2.2
	E	PSC-E1-H					
	J	PSC-J1-H					
	T	PSC-T1-H					
	K	PSC-K2-H	Solid 0.32	0.3	0.3	1.52 x 2.44	0.9
	E	PSC-E2-H					
	J	PSC-J2-H					
	T	PSC-T2-H					

Teflon insulated and jacketed

Product Image	Type	Product Name	Outer diameter (mm)	Insulation (mm)	Sheath (mm)	Approx. O.D (mm)	Weight (Kg/200m)
	K	PSC-K1-T	Solid 0.60	0.2	0.3	1.6 X 2.6	2.3
	E	PSC-E1-T					
	J	PSC-J1-T					
	T	PSC-T1-T					
	K	PSC-K2-T	Solid 0.32	0.15	0.2	1.0 X 1.6	0.8
	E	PSC-E2-T					
	J	PSC-J2-T					
	T	PSC-T2-T					

Resistance Temperature Detector (RTD)

Features

Measure temperature using electrical resistance (Ω). For industrial use, 3 Wire Method with Pt 100 Ω is generally utilized. Fluororesin, Glass fiber and Silicone types are produced/ provided for different settings.


Applicable Standard

- Manufacturer's standard


Materials & Construction

- ① Conductor : Tin plated copper wire
- ② Insulation : Fluororesin or Glass yarn
- ③ Sheath & Shield : Tinned-copper braided / Glass yarn braided & Tinned-copper braided
Silicone / Tinned-copper braided & Silicon


Teflon insulated with outer Copper braid

	Product Name	Conductor		Insulation	Inner Sheath	Outer Sheath	Approx. O.D (mm)	Weight (Kg/200m)
		Sectional Area(mm²)	Construction (No./mm)	Nom.Thick (mm)	Nom.Thick (mm)	Nom.Thick (mm)		
	TW3-S	0.3	12/0.18	Teflon	-	T.C Braided	3.5	5.0
				0.3	-	0.3		


Teflon insulated with outer Glass yarn braid & Copper braid

	Product Name	Conductor		Insulation	Inner Sheath	Outer Sheath	Approx. O.D (mm)	Weight (Kg/200m)
		Sectional Area(mm²)	Construction (No./mm)	Nom.Thick (mm)	Nom.Thick (mm)	Nom.Thick (mm)		
	TW3-HS	0.2	7/0.203	Teflon	Glass Braided	T.C Braided	3.8	4.6
				0.3	0.3	0.3		

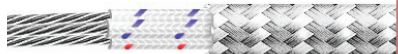
Teflon insulated Silicone rubber cover

	Product Name	Conductor		Insulation	Inner Sheath	Outer Sheath	Approx. O.D (mm)	Weight (Kg/200m)
		Sectional Area(mm²)	Construction (No./mm)	Nom.Thick (mm)	Nom.Thick (mm)	Nom.Thick (mm)		
	TW3-SR	0.3	12/0.18	Teflon	-	Silicon	4.3	5.7
				0.3	-	0.7		
	TW3-SR	0.3	12/0.18	Teflon	-	Silicon	4.8	6.9
				0.3	-	0.9		

Teflon insulated with inner Copper braid & Silicone rubber cover

	Product Name	Conductor		Insulation	Inner Sheath	Outer Sheath	Approx. O.D (mm)	Weight (Kg/200m)
		Sectional Area(mm²)	Construction (No./mm)	Nom.Thick (mm)	Nom.Thick (mm)	Nom.Thick (mm)		
	TW3-SSR	0.3	12/0.18	Teflon	T.C Braided	Silicon	4.7	8.1
				0.3	0.3	0.6		

Glass yarn braid insulated with outer Copper braid

	Product Name	Conductor		Insulation	Inner Sheath	Outer Sheath	Approx. O.D (mm)	Weight (Kg/200m)
		Sectional Area(mm²)	Construction (No./mm)	Nom.Thick (mm)	Nom.Thick (mm)	Nom.Thick (mm)		
	TW3-GGS	0.3	12/0.18	Glass Braided	-	T.C Braided	3.5	5.2
				0.3	-	0.3		

UL AWM Wires

Features

Made of FEP, these UL AWM Wires are used in internal wiring of electrical and electronic equipment requiring heat resistance (150~200 ° C/ 302~392 ° F).

Applicable Standard

○ UL 758, CSA C 22.2

Materials & Construction

- ① Conductor : Tin plated copper wire (Solid, Stranded wires)
- ② Insulation : Fluororesin (FEP)



Type	Conductor				Insulation		Rating
	AWG	Sectional Area(mm²)	Construction (No./mm)	Outer diameter (mm)	Nom.Thick (mm)	Overall diameter (mm)	
FEP(6F) Wire	#26	0.14	7/0.16	0.48	0.20	0.88	300V 200°C
	#24	0.20	7/0.203	0.61	0.20	1.01	
	#22	0.30	12/0.18	0.72	0.26	1.24	
	#20	0.50	20/0.18	0.93	0.26	1.45	
	#18	0.75	30/0.18	1.14	0.51	1.70	
	#16	1.25	50/0.18	1.47	0.51	2.03	
	#14	2.00	37/0.26	1.83	0.51	2.43	
	#12	3.50	44/0.32	2.70	0.51	3.40	
UL 1330	#10	5.50	68/0.32	3.40	0.51	4.20	600V 200°C
	#26	0.14	7/0.16	0.48	0.51	1.50	
	#24	0.20	7/0.203	0.61	0.51	1.63	
	#22	0.30	12/0.18	0.72	0.51	1.77	
	#20	0.50	20/0.18	0.93	0.51	1.97	
	#18	0.75	30/0.18	1.14	0.51	2.25	
	#16	1.25	50/0.18	1.47	0.51	2.56	
	#14	2.00	37/0.26	1.83	0.51	2.94	
UL 1331	#12	3.50	44/0.32	2.70	0.51	3.72	600V 150°C
	#10	5.50	68/0.32	3.40	0.51	4.42	
	#26	0.14	7/0.16	0.48	0.51	1.50	
	#24	0.20	7/0.203	0.61	0.51	1.63	
	#22	0.30	12/0.18	0.72	0.51	1.77	
	#20	0.50	20/0.18	0.93	0.51	1.97	
	#18	0.75	30/0.18	1.14	0.51	2.25	
	#16	1.25	50/0.18	1.47	0.51	2.56	
UL1332	#14	2.00	37/0.26	1.83	0.51	2.94	300V 200°C
	#12	3.50	44/0.32	2.70	0.51	3.72	
	#10	5.50	68/0.32	3.40	0.51	4.42	
	#26	0.14	7/0.16	0.48	0.31	1.10	
	#24	0.20	7/0.203	0.61	0.31	1.23	
	#22	0.30	12/0.18	0.72	0.31	1.37	
	#20	0.50	20/0.18	0.93	0.31	1.57	
	#18	0.75	30/0.18	1.14	0.31	1.85	
UL1333	#16	1.25	50/0.18	1.47	0.31	2.16	300V 150°C
	#14	2.00	41/0.26	1.83	0.31	2.54	
	#12	3.50	44/0.32	2.70	0.31	3.32	
	#10	5.50	68/0.32	3.40	0.31	4.02	
	#26	0.14	7/0.16	0.48	0.31	1.10	
	#24	0.20	7/0.203	0.61	0.31	1.23	
	#22	0.30	13/0.18	0.72	0.31	1.37	
	#20	0.50	21/0.18	0.93	0.31	1.57	

Automobile/ Internal Device Extension Cables

Features

Fluororesin & Silicone material applied; excellent heat, abrasion and chemical resistant. Mainly used in automobile, heavy devices, and internal settings. Customizing available.

Applicable Standard

◎ ISO 6722, ES 91110, KSC 3311

Materials & Construction

- ① Conductor : Tin plated copper wire
(Solid, Stranded wires)
- ② Insulation : Fluororesin (FEP, ETFE), Silicone

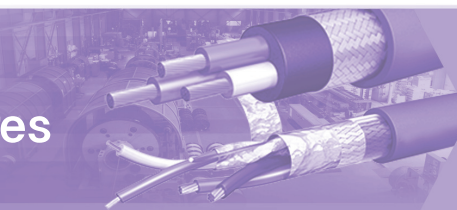


Type	Conductor			Insulation		Rating
	Sectional Area(mm²)	Construction (No./mm)	Outer diameter (mm)	Nom.Thick (mm)	Overall diameter (mm)	
ATW	0.30	15 / 0.18	0.80	0.30	1.40	200°C
	0.50	20 / 0.18	0.93	0.33	1.60	
	0.85	34 / 0.18	1.21	0.30	1.80	
	1.25	50 / 0.18	1.47	0.32	2.10	
	2.00	81 / 0.18	1.87	0.37	2.60	

Type	Conductor			Insulation		Rating
	Sectional Area(mm²)	Construction (No./mm)	Outer diameter (mm)	Nom.Thick (mm)	Overall diameter (mm)	
FLR7Y-A	0.50	19 / 0.18	0.91	0.28	1.50	150°C
	0.75	19 / 0.22	1.11	0.30	1.80	
	1.00	19 / 0.26	1.31	0.30	2.00	
	1.25	19 / 0.29	1.46	0.30	2.20	
	1.50	19 / 0.31	1.56	0.30	2.30	
	2.00	19 / 0.36	1.81	0.35	2.65	
	2.50	19 / 0.40	2.01	0.35	2.85	
	5.00	37 / 0.41	2.88	0.40	4.05	
	8.00	7/14/0.315	3.91	0.40	4.90	

Type	Conductor			Insulation		Rating
	Sectional Area(mm²)	Construction (No./mm)	Outer diameter (mm)	Nom.Thick (mm)	Overall diameter (mm)	
FL2G (Silicone)	0.50	16 / 0.21	0.91	0.6	2.15	200°C
	0.75	24 / 0.21	1.11	0.6	2.35	
	1.00	32 / 0.21	1.31	0.6	2.55	
	1.50	30 / 0.26	1.56	0.6	2.85	
	2.00	28 / 0.31	1.81	0.6	3.15	
	2.50	50 / 0.26	2.01	0.7	3.45	

Heat Resistnat Wires



Features

Wires with different sized Tinned-copper or nickel alloy conductors sheathed with materials of outstanding abrasion, temperature and chemical resistant properties. Fluororesin, silicone and glass fiber are used as sheathing materials.


Applicable Standard

- UL 758, Manufacturer's standard


Materials & Construction

- ① Conductor : Annealed copper, Tin plated copper or Nickel alloy wire
- ② Insulation : Silicone, Glass yarn braided
- ③ Sheath : Glass yarn braided


Silicone Rubber insulated (300V)

Product Image	Conductor			Insulation Nom.Thick (mm)	Overall diameter (mm)	Dielectric strength (V/min)	Insulation resistance (MΩ.km)
	Sectional Area(mm²)	Construction (No./mm)	Outer diameter (mm)				
	0.5	20/0.18	0.9	0.3	1.5	AC1500	100
	0.75	30/0.18	1.2	0.38	1.96		
	1.25	50/0.18	1.5	0.38	2.26		
	2	37/0.26	1.8	0.51	2.82		
	3.5	45/0.32	2.5	0.51	3.52		
	5.5	35/0.45	3.1	0.76	4.62		
	14	88/0.45	3.7	0.76	5.22		

Silicone Rubber insulated with outer Glass yarn braid (SRGW)

Product Image	Conductor			Insulation Nom.Thick (mm)	Glass braided (mm)	Overall diameter (mm)	Dielectric strength (V/min)	Insulation resistance (MΩ.km)
	Sectional Area(mm²)	Construction (No./mm)	Outer diameter (mm)					
	0.75	30/0.18	1.2	0.4	0.25	2.5	AC1500	100
	1.25	50/0.18	1.5	0.4	0.25	2.8		
	2.0	37/0.26	1.8	0.5	0.25	3.3		
	3.5	45/0.32	2.5	0.6	0.25	4.2		
	5.5	35/0.45	3.1	0.6	0.25	4.8		
	8	50/0.45	3.7	0.8	0.3	5.9		
	14	88/0.45	4.9	0.8	0.3	7.1		

Glass yarn braid insulated with outer Glass yarn braid (NiGB)

Product Image	Conductor			Insulation Nom.Thick (mm)	Glass braided (mm)	Overall diameter (mm)
	Sectional Area(mm²)	Construction (No./mm)	Outer diameter (mm)			
	0.5	20/0.18	0.9	0.3	0.4	2.3
	0.75	30/0.18	1.2	0.3	0.4	2.6
	1.25	50/0.18	1.5	0.3	0.4	2.9
	2	37/0.26	1.8	0.3	0.4	3.2
	3.5	45/0.32	2.5	0.3	0.4	3.9
	5.5	35/0.45	3.1	0.3	0.5	4.7
	8	50/0.45	3.7	0.3	0.5	5.3

Heating Cable

Features

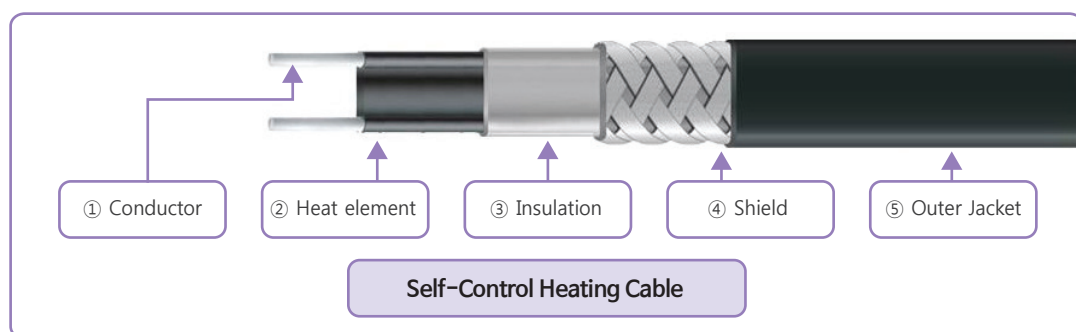
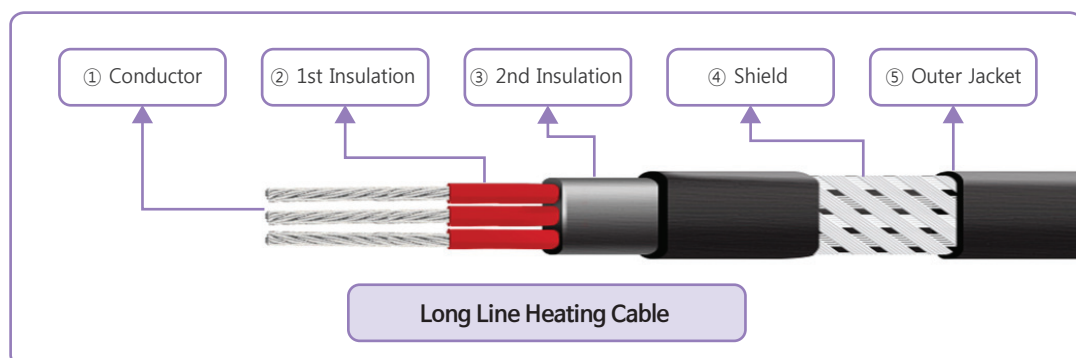
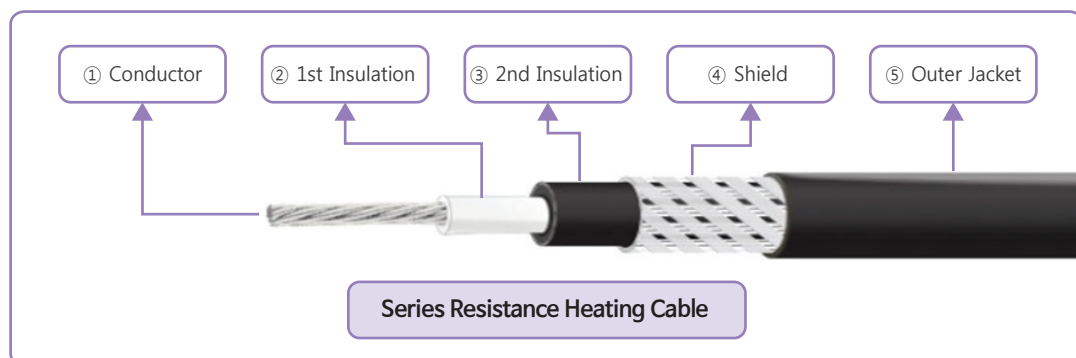
Specialized heating cables are used to prevent roads, buildings, bridges, and streets from freezing and heavy snowing during winter season. the heating cables are also used as auxiliary heating in various settings.

Applicable Standard

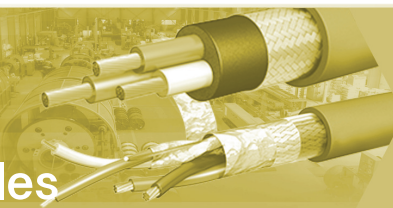
- Manufacturer's standard

Materials & Construction

- ① Conductor : Tin plated copper or Nickel alloy wire
- ② 1st Insulation : Fluororesin
- ② 2nd Insulation : HR-PVC / HR-Rubber
- ③ Shield : Tinned-copper braided
- ③ Outer Jacket : HR-PVC / HR-Rubber



Temperature—EMF table for thermocouples



Type B Thermocouple

◆ ANSI MC 96.1 1982

◆ KS C 1602 2014

Unit : μV

$^{\circ}\text{C}$	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	$^{\circ}\text{C}$
0	0	33	178	431	786	1241	1791	2430	3154	3957	4833	5777	6783	7845	8952	10094	11257	12426	13585	0
10	-2	43	199	462	827	1292	1851	2499	3232	4041	4924	5875	6887	7953	9065	10210	11374	12543	13699	10
20	-3	53	220	494	870	1344	1912	2569	3308	4126	5016	5973	6991	8063	9178	10325	11491	12659	13814	20
30	-2	65	243	527	913	1397	1974	2639	3387	4212	5109	6073	7096	8172	9291	10441	11608	12776		30
40	0	78	266	561	957	1450	2036	2710	3466	4298	5202	6172	7202	8283	9405	10558	11725	12892		40
50	2	92	291	596	1002	1505	2100	2782	3546	4386	5297	6273	7308	8393	9519	10674	11842	13008		50
60	6	107	317	632	1048	1560	2164	2855	3266	4474	5391	6374	7414	8504	9634	10790	11959	13124		60
70	11	123	344	669	1095	1617	2230	2928	3708	4562	5487	6475	7521	8616	9748	10907	12076	13239		70
80	17	140	372	707	1143	1674	2296	3003	3790	4652	5583	6577	7628	8727	9863	11024	12193	13354		80
90	25	159	401	746	1192	1732	2363	3078	3873	4742	5680	6680	7376	8839	9974	11141	12310	13470		90
100	33	178	431	786	1241	1797	2430	3154	3957	4833	5777	6783	7845	8952	10094	11257	12426	13585		100

Type R Thermocouple

◆ ANSI MC 96.1 1982

◆ KS C 1602 2014

Unit : μV

$^{\circ}\text{C}$	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	$^{\circ}\text{C}$
0	0	647	1468	2400	3407	4474	5582	6741	7949	9203	10503	11846	13224	14624	16035	17445	18842	20215	0
10	54	723	1557	2498	3511	4580	5696	6860	8072	9331	10636	11983	13363	14765	16176	17726	18981	20350	10
20	111	807	1647	2596	3616	4689	5810	6979	8196	9460	10768	12119	13502	14906	16316	17726	19119	20483	20
30	171	879	1738	2695	3721	4799	5925	7098	8320	9589	10902	12257	13642	15047	16458	17866	19257	20616	30
40	232	959	1830	2795	3826	4910	6040	7218	8445	9718	11035	12394	13782	15188	16599	18006	19395	20748	40
50	296	1041	1923	2896	3933	5021	6155	7339	8570	9848	11170	12532	13922	15329	16741	18146	19533	20878	50
60	363	1124	2017	2997	4039	5132	6272	7460	8696	9978	11304	12669	14062	15470	16882	18286	19670	21006	60
70	431	1208	2111	3099	4146	5244	6388	7582	8822	10109	11439	12808	14202	15611	17022	18425	19807		70
80	501	1294	2207	3201	4254	5356	6505	7703	8949	10240	11574	12946	14343	15752	17163	18564	19944		80
90	573	1380	2303	3304	4362	5469	6623	7826	9076	10371	11710	13085	14483	15893	17304	18703	20080		90
100	647	1468	2400	3407	4471	5582	6741	7949	9203	10503	11846	13224	14624	16035	17445	18842	20215		100

Type S Thermocouple

◆ ANSI MC 96.1 1982

◆ KS C 1602 2014

Unit : μV

$^{\circ}\text{C}$	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	$^{\circ}\text{C}$
0	0	645	1440	2323	3260	4234	5237	6274	7345	8448	9585	10754	11947	13155	14368	15576	16771	17942	0
10	55	719	1525	2414	3356	4333	5339	6380	7454	8560	9700	10872	12067	13276	14489	15697	16890	18056	10
20	113	795	1611	2506	3452	4432	5442	6486	7563	8673	9816	10991	12188	13397	14610	15817	17008	18170	20
30	173	872	1698	2599	3549	4532	5544	6592	7672	8786	9932	11110	12308	13519	14731	15937	17125	18282	30
40	235	950	1785	2692	3645	4632	5648	6699	7782	8899	10048	11229	12429	13640	14852	16057	17243	18394	40
50	299	1029	1873	2786	3743	4732	5751	6805	7892	9012	10165	11348	12550	13761	14973	16176	17360	18504	50
60	365	1109	1962	2880	3840	4832	5855	6913	8003	9126	10282	11467	12671	13883	15094	16296	17477	18612	60
70	432	1190	2051	2974	3938	4933	5960	7020	8114	9240	10400	11587	12792	14004	15215	16415	17594		70
80	502	1273	2141	3069	4036	5034	6064	7128	8225	9355	10517	11707	12913	14125	15336	16534	17711		80
90	573	1356	2232	3164	4135	5136	6169	7236	8336	9470	10635	11827	13034	14247	15456	16653	17826		90
100	645	1440	2323	3260	4234	5237	6274	7345	8448	9585	10754	11947	13155	14368	15576	16771	17942		100

Temperature—EMF table for thermocouples

Type K Thermocouple

◆ ANSI MC 96.1 1982 ◆ KS C 1602 2014

Unit : μV

$^{\circ}\text{C}$	-100	-0	$^{\circ}\text{C}$	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	$^{\circ}\text{C}$
-0	-3553	0	0	0	4095	8137	12207	16395	20640	24902	29128	33277	37325	41269	45108	48828	52398	0
-10	-3852	-392	10	397	4508	8537	12623	16818	21066	25327	29547	33686	37724	41657	45486	49192	52747	10
-20	-4138	-777	20	798	4919	8938	13039	17241	21493	25751	29965	34095	38122	42045	45863	49555	53093	20
-30	-4410	-1156	30	1203	5327	9341	13456	17664	21919	26176	30383	34502	38519	42432	46238	49916	53439	30
-40	-4699	-1527	40	1611	5733	9745	13874	18088	22346	26599	30799	34909	38915	42817	46612	50276	53782	40
-50	-4912	-1889	50	2022	6137	10151	14292	18513	22772	27022	31214	35314	39310	43202	46985	50633	54125	50
-60	-5141	-2243	60	2436	6539	10560	14712	18938	23198	27445	31629	35718	39703	43585	47356	50990	54466	60
-70	-5354	-2586	70	2850	6939	10969	15132	19363	23624	27867	32042	36121	40096	43968	47726	51344	54807	70
-80	-5550	-2920	80	3266	7338	11381	15552	19788	24050	28288	32455	36524	40488	44349	48095	51697		80
-90	-5730	-3242	90	3681	7737	11793	15974	20214	24476	28709	32866	36925	40879	44729	48462	52049		90
-100	-5891	-3553	100	4095	8137	12207	16395	20640	24902	29128	33277	37325	41269	45108	48828	52398		100

Type E Thermocouple

◆ ANSI MC 96.1 1982 ◆ KS C 1602 2014

Unit : μV

$^{\circ}\text{C}$	-100	-0	$^{\circ}\text{C}$	0	100	200	300	400	500	600	700	800	900	$^{\circ}\text{C}$
-0	-5237	0	0	0	6317	13419	21033	28943	36999	45085	53110	61022	68783	0
-10	-5680	-581	10	591	6996	14161	21814	29744	37808	45891	53907	61806	69549	10
-20	-6107	-1151	20	1192	7683	14909	22597	30546	38617	46697	54703	62588	70313	20
-30	-6516	-1709	30	1801	8377	15661	23383	31350	39426	47502	55498	63368	71075	30
-40	-6907	-2254	40	2419	9078	16417	24171	32155	40236	48306	56291	64147	71835	40
-50	-7279	-2787	50	3047	9787	17178	24961	32960	41045	49109	57083	64924	72593	50
-60	-7631	-3306	60	3683	10501	17942	25754	33767	41853	49911	57873	65700	73350	60
-70	-7963	-3811	70	4329	11222	18710	26549	34574	42662	50713	58663	66473	74104	70
-80	-8273	-4301	80	4983	11949	19481	27345	35382	43470	51513	59451	67245	74857	80
-90	-8561	-4777	90	5646	12681	20256	28143	36190	44278	52312	60237	68015	75608	90
-100	-8824	-5237	100	6317	13419	21033	28943	36999	45085	53110	61022	68783	76358	100

Type J Thermocouple

◆ ANSI MC 96.1 1982 ◆ KS C 1602 2014

Unit : μV

$^{\circ}\text{C}$	-100	-0	$^{\circ}\text{C}$	0	100	200	300	400	500	600	700	800	900	1000	1100	$^{\circ}\text{C}$
-0	-4632	0	0	0	5268	10777	16325	21846	27388	33096	39130	45498	51875	57942	63777	0
-10	-5036	-501	10	507	5812	11332	16879	22397	27949	33638	39754	46144	52496	58533	64355	10
-20	-5426	-995	20	1019	6359	11887	17432	22949	28511	34273	40382	46790	53115	59121	64933	20
-30	-5801	-1481	30	1536	6907	12442	17984	23501	29075	34867	41013	47434	53729	59708	65510	30
-40	-6159	-1960	40	2058	7457	12998	18537	24054	29642	35464	41647	48076	54341	60293	66087	40
-50	-6499	-2431	50	2585	8008	13553	19089	24607	30210	36066	42283	48716	54948	60876	66664	50
-60	-6821	-2892	60	3115	8560	14108	19640	25161	30782	36671	42922	49354	55553	61459	67240	60
-70	-7122	-3344	70	3649	9113	14663	20192	25716	31356	37280	43563	49989	56155	62039	67815	70
-80	-7402	-3785	80	4186	9667	15217	20743	26272	31933	37893	44207	50621	56753	62619	68390	80
-90	-7659	-4215	90	4725	10222	15771	21295	26829	32513	38510	44852	51249	57349	63199	68964	90
-100	-7890	-4632	100	5268	10777	16325	21846	27388	33096	39130	45498	51875	57942	63777	69536	100

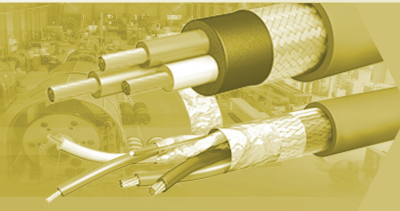
Type T Thermocouple

◆ ANSI MC 96.1 1982 ◆ KS C 1602 2014

Unit : μV

$^{\circ}\text{C}$	-200	-100	-0	$^{\circ}\text{C}$	0	100	200	300	$^{\circ}\text{C}$
-0	-5603	-3378	0	0	0	4277	9286	14860	0
-10	-5753	-3656	-383	10	391	4749	9820	15443	10
-20	-5889	-3923	-757	20	789	5227	10360	16030	20
-30	-6007	-4177	-1121	30	1196	5712	10905	16621	30
-40	-6105	-4419	-1475	40	1611	6204	11456	17217	40
-50	-6181	-4648	-1819	50	2035	6702	12011	17816	50
-60	-6232	-4865	-2152	60	2467	7207	12572	18420	60
-70	-6258	-5069	-2475	70	2908	7718	13137	19027	70
-80		-5261	-2788	80	3357	8235	13707	19638	80
-90		-5439	-3089	90	3813	8757	14281	20252	90
-100		-5603	-3387	100	4277	9286	14860	20869	100

Electrical Resistance



Loop Resistance of Conductor by Size (Reference)

Unit: Ω/m

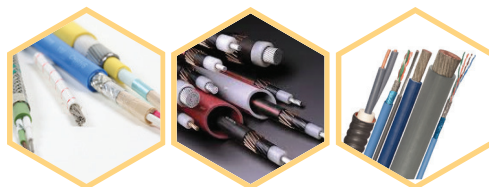
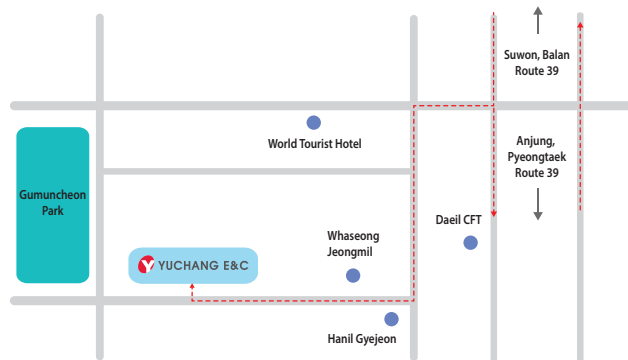
Nominal cross-sectional area (mm^2)	Symbol									
	BC	RCA RCB SCA SCB	NX	NC	KX	KCA	KCB	EX	JX	TX
0.2	0.18	0.400	6.60	1.30	5.00	3.30	2.80	6.30	3.30	2.80
0.3	0.12	0.282	5.00	0.80	3.60	2.50	2.10	4.50	2.50	2.10
0.5	0.08	0.170	3.00	0.66	2.20	1.40	1.20	2.70	1.40	1.20
0.75	0.05	0.110	2.00	0.44	1.50	0.95	0.75	1.80	0.95	0.75
1.25	0.04	0.080	1.30	0.26	1.00	0.65	0.55	1.30	0.65	0.55
1.3	0.03	0.070	1.10	0.25	0.90	0.55	0.45	1.10	0.55	0.45
1.5	0.03	0.060	1.00	0.22	0.45	0.50	0.42	0.96	0.50	0.42
2	0.02	0.045	0.75	0.17	0.55	0.40	0.30	0.70	0.40	0.30
2.3	0.02	0.040	0.65	0.14	0.50	0.03	0.25	0.60	0.30	0.25



YUCHANG E&C

*Manufacture For Extension,
Compensating Wires and Thermocouple*

Balan Industrial Complex



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