










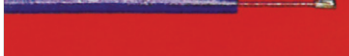



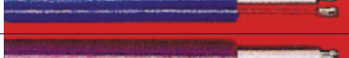





# Compensating Cable








## Compensating Cable

**Characteristics Table for Thermocouple Wires, based on KS or JIS Standard**

KS, JIS (See KSC 1609 1981, JIS C 1610 – 1981)

Kinds and classes of thermocouple extension wires			Symbols and materials for thermocouples	Temp. Limits		Return electric Resistance /m 以	Color identification	Materials of extension		
Symbols	Old Symbols	Classifi- cation		Temp. Range (℃)	Limits of error (℃)			Positive (PX)	Negative (NX)	
BX-G		Common class for General Use	Platinum 90% rhodium / Platinum 10% rhodium	0~100		0.05		Copper	Copper	
RX-G	WPR-G	Common class for General Use	R Platinum 93% rhodium / Platinum	0~150	+3 -7	0.1		Copper	Copper Nickel Alloy (FNC-13)	
RX-H	WPR-H	Common class for Heat Resistance								
SX-G		Common class for General Use	S Platinum 100% rhodium							
SX-H		Common class for Heat Resistance	Platinum							
KX-G	WCA-G	Common class for General Use	K Chromel / Alumel	-20~150	± 2.5	1.5		Chromel (FC-TME)	Alumel (FA-TME)	
KX-GS	WCA-GS	Common class for General Use			± 1.5					
KX-H	WCA-H	Common class for Heat Resistance			± 2.5					
KX-HS	WCA-HS	Common class for General Use			± 1.5					
WX-G	WCA-G	Common class for General Use			Alumel	± 3	0.5		Iron (Fe)	Constantan (CNF)
WX-GS	WCA-GS	Common class for General Use				± 1.5				
WX-H	WCA-H	Common class for Heat Resistance				± 3				
KX-HS	WCA-HS	Common class for Heat Resistance				± 1.5				
VX-G	WCA-G	Common class for General Use		-20~100	± 2.5	0.8		Copper	Constantan (FNC-12)	
EX-G	WCRC-G		E Chromel	-20~150	± 2.5	1.5		Chromel (FC-TME)	Constantan (FNC-11)	
EX-H	WCRC-H	Common class for Heat Resistance	Constantan							
JX-G	WIC-G	Common class for General Use	J Iron	-20~150	± 2.5	0.8		Chromel (Fe)	Constantan (FNC-11)	
JX-H	WIC-H	Common class for Heat Resistance	Constantan							
TX-G	WCC-G	Common class for General Use	T Copper	-20~150	± 2.0	0.8		Copper	Constantan (FNC-11)	
TX-GS	WCC-GS	Common class for General Use			± 1.0					
TX-H	WCC-H	Common class for Heat Resistance	Constantan		± 2.0					
TX-HS	WCC-HS	Common class for Heat Resistance			± 1.0					

## Characteristics Table for Thermocouple Wires, based on KS or JIS Standard

Color identification	Temp. Limits				Insulation		Shield		Outside cover		Electrical properties		Standard Length m	Approx weight Kg/Km
	Assembly		Number & diameter of wire mm	Out Dia mm	Thickness mm	Overall mm	Thickness shield mm	Drain wire mm	Thickness mm	Overall mm	Dielectric ACV / min	Insulation M - km		
① Parallel type 	BS Standard Type	0.5	7/0.32	0.96	0.4	1.76			0.5	2.8x4.6	1,000	PVC50	300	23
		1.25	7/0.45	1.35	0.6	2.55			1.0	4.6x7.1	"	"	"	54
		2	7/0.60	1.80	"	3.0			"	5.0x8.0	"	"	"	76
		1.3	4/0.65	1.57	"	2.77			"	4.8x7.6	"	"	"	61
		2.3	7/0.65	1.95	"	3.15			"	5.2x8.3	"	"	"	84
	Bundle Type	0.75	24/0.2	1.20	0.5	2.20			0.8	3.8x6.0	"	"	"	37
		1.25	40/0.2	1.46	0.6	2.66			1.0	4.7x7.4	"	"	"	58
		2	63/0.2	1.88	"	3.08			"	5.1x8.2	"	"	"	73
	BS 14 Gauge 16 Gauge 20	2	1/1.63	1.63	0.6	2.83			0.8	4.5x7.3	"	"	"	68
		1.3	1/1.29	1.29	0.5	2.29			"	3.9x6.2	"	"	"	42
		0.5	1/0.81	0.81	0.4	1.16			0.5	2.7x4.3	"	"	"	20
② Parallel type copper braided shield 	Standard Type	0.5	7/0.32	0.96	0.4	1.76	0.3		0.8	4.0x5.8	"	"	"	40
		1.25	7/0.45	1.35	0.6	2.55	"		1.0	5.2x7.7	"	"	"	70
		2	7/0.60	1.80	"	3.0	"		"	5.6x8.6	"	"	"	94
		1.3	4/0.65	1.57	"	2.77	"		"	5.4x8.2	"	"	"	78
		2.3	7/0.65	1.95	"	3.15	"		"	5.8x8.9	"	"	"	103
	Bundle Type	0.75	24/0.2	1.20	0.5	2.20	0.3		0.8	4.4x6.8	"	"	"	51
		1.25	40/0.2	1.46	0.6	2.66	"		1.0	5.3x7.7	"	"	"	75
		2	63/0.2	1.88	"	3.08	"		"	5.7x8.8	"	"	"	95
	BS 14 Gauge 6 Gauge 20	2	1/1.63	1.63	0.6	2.83	0.3		0.8	5.1x7.9	"	"	"	84
		1.3	1/1.29	1.29	0.5	2.29	"		"	4.5x6.8	"	"	"	62
		0.5	1/0.81	0.81	0.4	1.61	"		"	3.9x5.5	"	"	"	36
③ Twist type 	Standard Type	0.5	7/0.32	0.96	0.6	2.16			1.0	6.5	"	"	"	50
		1.25	7/0.45	1.35	"	2.55			"	7.2	"	"	"	68
		2	7/0.60	1.80	"	3.0			"	8.1	"	"	"	93
		1.3	4/0.65	1.57	"	2.77			"	7.7	"	"	"	76
		2.3	7/0.65	1.95	"	3.15			1.1	8.6	"	"	"	106
	Bundle Type	0.75	24/0.2	1.20	0.5	2.20			1.0	6.5	"	"	"	53
		1.25	40/0.2	1.46	0.6	2.66			"	7.5	"	"	"	72
		2	63/0.2	1.88	"	3.08			"	8.2	"	"	"	94
	BS 14 Gauge 6 Gauge 20	2	1/1.63	1.63	0.6	2.83			1.0	7.8	"	"	"	89
		1.3	1/1.29	1.29	0.5	2.29			"	6.7	"	"	"	63
		0.5	1/0.81	0.81	0.4	1.61			"	5.4	"	"	"	36
④ Twist type copper braided shield 	Standard Type	0.5	7/0.32	0.96	0.6	2.16	0.3		1.0	7.1	"	"	"	66
		1.25	7/0.45	1.35	"	2.55	"		"	7.8	"	"	"	8
		2	7/0.60	1.80	"	3.0	"		1.1	8.9	"	"	"	118
		1.3	4/0.65	1.57	"	2.77	"		1.0	8.3	"	"	"	96
		2.3	7/0.65	1.95	"	3.15	"		1.1	9.2	"	"	"	129
	Bundle Type	0.75	24/0.2	1.20	0.5	2.20	0.3		1.0	7.1	"	"	"	69
		1.25	40/0.2	1.46	0.6	2.66	"		"	8.1	"	"	"	91
		2	63/0.2	1.88	"	3.08	"		1.1	9.1	"	"	"	120
	BS 14 Gauge 6 Gauge 20	2	1/1.63	1.63	0.6	2.83	0.3		1.1	8.6	"	"	"	114
		1.3	1/1.29	1.29	0.5	2.29	"		1.0	7.3	"	"	"	81
		0.5	1/0.81	0.81	0.4	1.61	"		1.0	6.0	"	"	"	49
⑤ Twist type Aluminium-mylar tape shield 	Standard Type	0.5	7/0.32	0.96	0.6	2.16	0.05	0.93	1.0	7.5	"	"	"	61
		1.25	7/0.45	1.35	"	2.55	"	"	"	8.2	"	"	"	80
		2	7/0.60	1.8	"	3.0	"	"	1.1	9.3	"	"	"	109
		1.3	4/0.65	1.57	"	2.77	"	"	"	8.9	"	"	"	92
		2.3	7/0.65	1.95	"	3.15	"	"	"	9.6	"	"	"	119
	Bundle Type	0.75	24/0.2	1.20	0.5	2.20	0.05	0.93	1.0	7.5	"	"	"	64
		1.25	40/0.2	1.46	0.6	2.66	"	1.1	8.7	"	"	"	"	88
		2	63/0.2	1.88	"	1.61	"	"	"	9.5	"	"	"	111
	BS 14 Gauge 6 Gauge 20	2	1/1.63	1.63	0.6	2.83	0.05	0.93	1.1	9.0	"	"	"	105
		1.3	1/1.29	1.29	0.5	2.29	"	"	1.0	7.7	"	"	"	75
		0.5	1/0.81	0.81	0.4	1.61	"	"	"	6.4	"	"	"	47
⑥ Twist type copper tape shield 	Standard Type	1.25	7/0.45	1.35	"	2.55	0.1		1.0	7.2	"	"	"	72
		0.5	2	7/0.60	1.80	"	3.0		"	8.0	"	"	"	93
		1.3	4/0.65	1.57	"	2.77	"		1.1	9.1	"	"	"	126
		2.3	7/0.65	1.95	"	3.15	"		"	8.7	"	"	"	107
									"	9.4	"	"	"	137
	BS 14 Gauge 6	2	1/1.63	1.63	0.6	2.83	0.1		1.1	8.8	"	"	"	121
		1.3	1/1.29	1.29	0.5	2.29	"		1.0	7.5	"	"	"	87
⑦ Twist type copper + iron tape shield 	Standard Type	0.5	7/0.32	0.96	0.6	2.16	0.1+0.1		1.0	8.0	"	"	"	98
		1.25	7/0.45	1.35	"	2.55	"		1.1	8.9	"	"	"	122
		2	7/0.60	1.80	"	3.0	"		"	9.8	"	"	"	154
		1.3	4/0.65	1.57	"	2.77	"		"	9.4	"	"	"	133
		2.3	7/0.65	1.95	"	3.15	"		"	10.1	"	"	"	166
	BS Gauge 14 16	2	1/1.63 1.63	0.6	2.83	0.1+0.1			1.1	9.5	"	"	"	148
		1.3	1/1.29	1.29	0.5	2.29	"		"	8.4	"	"	"	113









# Compensating Cable

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### PVC-Polyethylene Insulated

Number of pairs	Nominal sectional area mm <sup>2</sup>	Conductor		Temp. Limits		Temp. Limits		Temp. Limits		Standard Length m	Approx weight Kg
		Number & diameter of wire mm	Outer diameter mm	Thickness mm	Overall diameter mm	Separate tape mm	Overall diameter mm	Thickness mm	Overall diameter mm		
2	0.5	7/0.32	0.96	0.6	2.16	0.2	7.8	1.1	10.0	1000	107
3	"	"	"	"	"	"	8.8	1.1	10.6	"	135
4	"	"	"	"	"	"	9.4	1.1	11.5	"	163
5	"	"	"	"	"	"	11.3	1.2	13.4	"	191
8	"	"	"	"	"	"	11.0	1.2	13.8	"	235
7	"	"	"	"	"	"	11.4	1.2	13.8	"	251
10	"	"	"	"	"	"	15.4	1.4	17.9	"	375
12	"	"	"	"	"	"	15.1	1.4	18.5	"	421
15	"	"	"	"	"	"	17.7	1.5	20.7	"	521
18	"	"	"	"	"	"	19.7	1.5	22.4	"	620
20	"	"	"	"	"	"	20.4	1.6	23.7	"	681
24	"	"	"	"	"	"	22.5	1.7	25.8	"	803
26	"	"	"	"	"	"	23.2	1.7	26.5	"	862
30	"	"	"	"	"	"	24.1	1.8	28.4	"	990
2	1.25	7/0.45	1.35	0.6	2.55	0.2	9.8	1.1	11.3	1000	150
3	"	"	"	"	"	"	9.1	1.2	12.3	"	188
4	"	"	"	"	"	"	10.9	1.2	13.3	"	236
5	"	"	"	"	"	"	12.9	1.3	15.5	"	298
8	"	"	"	"	"	"	13.9	1.3	16.0	"	341
7	"	"	"	"	"	"	13.4	1.3	16.0	"	366
10	"	"	"	"	"	"	17.4	1.5	20.7	"	550
12	"	"	"	"	"	"	18.7	1.5	21.5	"	619
15	"	"	"	"	"	"	20.5	1.6	24.0	"	769
18	"	"	"	"	"	"	22.8	1.7	26.2	"	917
20	"	"	"	"	"	"	24.8	1.7	27.5	"	1022
24	"	"	"	"	"	"	26.1	1.8	29.8	"	1206
26	"	"	"	"	"	"	27.2	1.9	31.0	"	1297
30	"	"	"	"	"	"	29.2	1.9	33.0	"	1489
2	1.3	4/0.65	1.57	0.6	2.77	0.2	9.2	1.2	12.2	1000	168
3	"	"	"	"	"	"	10.8	1.2	13.0	"	213
4	"	"	"	"	"	"	11.6	1.2	14.2	"	268
5	"	"	"	"	"	"	14.8	1.3	16.6	"	347
6	"	"	"	"	"	"	14.0	1.4	17.3	"	387
7	"	"	"	"	"	"	14.5	1.4	17.3	"	417
10	"	"	"	"	"	"	19.5	1.5	22.2	500	536
12	"	"	"	"	"	"	20.2	1.6	23.3	"	734
15	"	"	"	"	"	"	22.1	1.7	26.0	"	894
18	"	"	"	"	"	"	24.6	1.8	28.6	"	1066
20	"	"	"	"	"	"	26.8	1.8	29.8	"	1187
24	"	"	"	"	"	"	28.2	1.9	32.2	"	1400
26	"	"	"	"	"	"	29.4	2.0	33.5	"	1498
30	"	"	"	"	"	"	31.5	2.0	35.7	"	1726
2	2.0	7/0.6	1.8	0.6	3.0	0.2	10.7	1.2	13.0	1000	205
3	"	"	"	"	"	"	11.6	1.2	13.9	"	269
4	"	"	"	"	"	"	12.6	1.3	15.3	"	332
5	"	"	"	"	"	"	15.7	1.4	17.9	"	430
8	"	"	"	"	"	"	15.1	1.4	18.5	"	485
7	"	"	"	"	"	"	15.7	1.4	18.5	"	555
10	"	"	"	"	"	"	20.7	1.6	24.0	500	801
12	"	"	"	"	"	"	21.8	1.6	24.9	"	922
15	"	"	"	"	"	"	24.7	1.7	27.8	"	1144
18	"	"	"	"	"	"	26.4	1.8	30.4	"	1365
20	"	"	"	"	"	"	28.8	1.9	32.1	"	1504
24	"	"	"	"	"	"	30.3	2	34.7	"	1779
26	"	"	"	"	"	"	31.7	2	35.9	"	1928
30	"	"	"	"	"	"	34.9	2.1	38.5	"	2217
2	2.3	7/0.65	1.95	0.6	3.15	0.2	11.3	1.2	13.3	1000	232
3	"	"	"	"	"	"	12.1	1.3	14.7	"	298
4	"	"	"	"	"	"	13.1	1.3	15.9	"	368
5	"	"	"	"	"	"	15.3	1.4	18.6	"	476
8	"	"	"	"	"	"	16.8	1.4	19.3	"	549
7	"	"	"	"	"	"	16.5	1.4	19.3	"	597
10	"	"	"	"	"	"	21.5	1.6	25	500	903
12	"	"	"	"	"	"	22.8	1.7	26.2	"	1029
15	"	"	"	"	"	"	25.8	1.8	29.2	"	1276
18	"	"	"	"	"	"	28.6	1.9	31.9	"	1523
20	"	"	"	"	"	"	29.1	2	33.7	"	1695
24	"	"	"	"	"	"	32.7	2.1	36.4	"	2005
26	"	"	"	"	"	"	33.2	2.1	37.7	"	2169
30	"	"	"	"	"	"	36.4	2.2	40.8	"	2497





## A Kind of Standard Shield

BA	BT	BS	BF	C	SA	SF	SL
							
Soft-Copper Wire Braided ( 0.05 $\phi$ ~ 0.26 $\phi$ Standard : 0.12 $\phi$ )	Soft-Copper Tinplated Braided ( 0.05 $\phi$ ~ 0.26 $\phi$ )	SUS-304 Stainless Steel Braided 0.02 ( 0.12 $\phi$ )	Soft-Steel Wire Braided (thin wire braided by 0.2 $\phi$ less)	Soft-Steel Wire Outside Braided (braided by 0.32 $\phi$ or more)	Bare Soft-Copper Taped (0.1t)	Soft-Copper+Soft- Steel Taped (0.08 ~ 0.1t) Taped (0.08 ~ 0.1t)	Alumi-Myler Taped wild Drain wire (0.025 ~ 0.05t)

## A Kind of Form

F : Type	FF : Type	R1 : Type	R2 : Type	R4 : Type	R5 : Type
					
F : Type	FF : Type	R1 : Type	R2 : Type	R4 : Type	R5 : Type

## Oval Type Insulated Thermocouple Wire

Coloridentification	Condition	Conductor			Insulation		Shield		Electrical properties		Temperature range ℃	Standard Length m
	Nominal	Nominal sectional ar mm <sup>2</sup>	Number & dia- meter of wire mm	Outer diameter mm	Thick-ness mm	Overall diameter mm	Thick-ness mm	Overall diameter mm x mm	Dielectric strength AC / min	Insulation resistance M $\Omega$ / km		
<b>PVC</b> 	$\Delta \bigcirc \Delta \times$	0.08	1/0.32	0.32	0.3	0.8	0.5	1.8x2.6	1,000	100	-20~+100	200
		0.33	1/0.65	0.65	0.4	1.45	"	2.5x3.9	"	"	"	"
		0.50	1/0.80	0.80	0.4	1.6	0.6	2.8x4.4	"	"	"	"
		0.75	1/1.0	1.0	0.4	1.8	"	3.0x4.8	"	"	"	"
<b>BG</b> 	$\times \times \Delta \Delta$	0.08	1/0.32	0.32	0.2	0.8	0.2	1.2x2.0	200	0.1	~+200	200
		0.33	1/0.65	0.65	0.32	1.3	0.25	1.8x3.1	"	"	"	"
		0.00	1/0.80	0.80	0.32	1.5	"	2.0x3.5	"	"	"	"
		0.75	1/1.0	1.0	0.32	1.7	0.3	2.3x4.0	"	"	"	"
<b>FEP</b> 	$\times \times \Delta \Delta$	0.3	1/0.65	0.65	0.45	1.6	0.4	2.4x4.0	500	0.1	~+200	200
		0.50	1/0.80	0.80	"	1.7	"	2.5x4.2	"	"	"	"
		0.75	1/1.0	1.0	"	1.9	"	2.7x4.6	"	"	"	"
		1.30	1/1.3	1.3	"	2.2	"	3.0x5.2	"	"	"	"
<b>TFE &amp; PTFE</b> 	$\times \bigcirc \bigcirc \bigcirc$	0.03	10.2	0.20	0.15	0.50	0.2	0.9x1.4	1,000	1,000	-60~+200	100
		0.08	1/0.32	0.32	"	0.62	"	1.0x1.7	"	"	"	"
		0.33	1/0.65	0.65	0.25	1.15	0.3	1.8x2.9	"	"	"	"
		0.50	1/0.80	0.80	"	1.30	"	1.9x3.2	"	"	"	"
	$\times \bigcirc \bigcirc \bigcirc$	0.75	1/1.0	1.0	0.30	1.60	"	2.2x3.8	"	"	"	"
		0.03	1/0.2	0.2	0.15	0.5	0.2	0.9x1.4	1,000	1,000	-60~+250	100
		0.08	1/0.32	0.32	"	0.62	"	1.0x1.7	"	"	"	"
		0.33	1/0.65	0.65	0.20	1.05	0.3	1.7x2.7	"	"	"	"
	$\bigcirc \bigcirc \times \Delta$	0.50	1/0.80	0.80	0.25	1.3	"	1.9x3.2	"	"	"	"
		0.75	1/1.0	1.0	"	1.5	"	2.1x3.6	"	"	"	"
		1.30	1/1.3	1.3	"	1.80	0.35	2.5x4.3	"	"	"	"
		2.00	1/1.6	1.6	"	2.10	"	2.8x4.9	"	"	"	"
	$\bigcirc \bigcirc \times \Delta$	0.33	1/0.65	0.65	0.4	1.45	0.6	2.7x4.1	1,000	500	-20~+200	200
		0.50	1/0.80	"	"	1.60	"	2.8x4.4	"	"	"	"
		0.75	1/1.0	"	"	1.80	"	3.0x4.8	"	"	"	"



# Compensating Cable

## Compensating Cable

### DuplEx Insulated Thermocouple

Standard				BX	RX±5X	KX			WX	VX	EX	JX	TX
	Type			POG	Copper (Cu)	Copper	FC-TME (Fe)	Iron (Fe)	Iron (Cu)	Copper	FC-TME (Fe)	Iron (Cu)	Copper
				NEG	FA-TME	FA-TME	CNF	FNC-16	FNC-12	FNC-II	FNC-II	FNC-II	
	standard type	7/0.65	2.3		0.0148	0.0311	0.4219	0.2627	0.1722	0.2312	0.5166	0.2669	0.2312
		7/0.6	2.0		0.0174	0.0323	0.4951	0.3082	0.2021	0.2714	0.6063	0.3124	0.2714
		4/0.65	1.3		0.0258	0.0544	0.7383	0.4596	0.3014	0.4047	0.9041	0.4671	0.4047
		(7/0.5)	1.3		0.0250	0.0525	0.7133	0.4440	0.2912	0.3910	0.8734	0.4513	0.3910
		(7/0.45)	1.11		0.0309	0.0648	0.8803	0.5479	0.3593	0.4072	1.9779	0.5569	0.4072
		(7/0.40)	0.9		0.0392	0.0821	1.1142	0.6935	0.4548	0.6107	1.3643	0.7049	0.6107
	Bundly type	7/0.32	0.5		0.0612	0.1283	1.7408	1.0836	0.7106	0.9542	2.1316	1.1013	0.9542
		63/0.2	2.9		0.0174	0.0365	0.4750	0.3082	0.2021	0.2714	0.5861	0.3133	0.2714
		40/0.2	1.25		0.0274	0.0574	0.7799	0.4855	0.3184	0.4275	0.9550	0.4934	0.4275
		24/0.2	0.75		0.0457	0.0958	1.3000	0.8092	0.5306	0.7126	1.5918	0.8224	0.7126
		(30/0.18)	0.75		0.0451	0.0946	1.2838	0.7991	0.52440	0.7037	1.5719	0.8122	0.7037
		(20/0.18)	0.5		0.0677	0.1419	1.9256	1.1986	0.7860	1.0556	2.3579	1.2183	1.0556
	Solid type	1.6	2.0		0.0171	0.0359	0.4875	0.4034	0.1990	0.2672	0.5959	0.3084	0.2672
		1.3	1.3		0.0259	0.0544	0.7384	0.4596	0.3014	0.4047	0.9041	0.4671	0.4047
		(1.2)	1.1		0.304	0.0638	0.8666	0.5394	0.3537	0.4750	0.0611	0.5482	0.4750
		1.0	0.78		0.0439	0.0919	1.2478	0.7767	0.5093	0.6840	1.5279	0.7894	0.6840
		(0.8)	0.5		0.0685	0.1437	1.9227	1.2136	0.7958	1.0688	2.3874	1.2335	1.0688
		0.65	0.33		0.1039	0.2177	2.9534	1.8383	1.2055	1.6190	3.6163	1.8685	1.6190
	Solid type	(0.5)	0.2		0.1756	0.2535	4.9911	3.1067	2.0372	2.7361	6.1116	3.1577	2.7361
		0.32	0.08		0.4287	0.8982	12.1853	7.5848	4.9736	6.6800	14.9208	7.7091	6.6800
		0.2	0.03		1.0975	2.2995	31.1944	19.4169	12.7324	17.10098	38.1972	19.7353	17.1009
		1.63	BS14		0.0165	0.0346	0.4696	0.2924	0.1917	0.2574	0.5750	0.2972	0.2574
		1.29	BS16		0.0263	0.0552	0.7498	0.4668	0.3061	0.4110	0.4111	0.4744	0.4110
		0.81	BS20		0.0669	0.1401	1.9011	1.1838	0.7463	1.0425	2.3287	1.2032	1.0425
	Twist type	7/0.61	BS14		0.0168	0.0353	0.4790	0.2982	0.1956	0.2626	0.5865	0.3031	0.2626
		7/05	BS16		0.0258	0.0525	0.7130	0.4439	0.2911	0.3908	0.8730	0.4511	0.3908
		7/0.32	BS20		0.0612	0.1283	0.7408	1.0836	0.7106	0.9542	2.1316	1.1013	0.9542

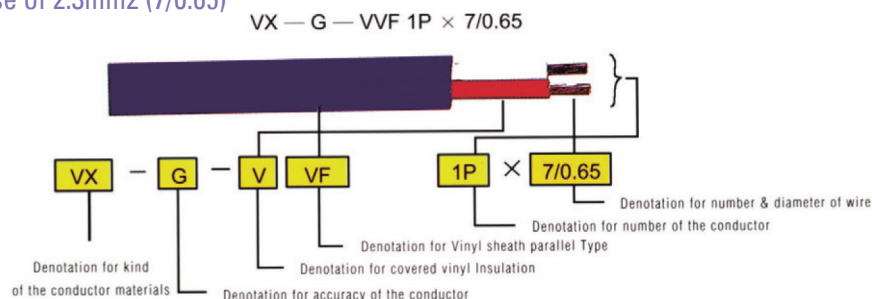
### Permissible Tolerance of Temperature

UNIT : μV

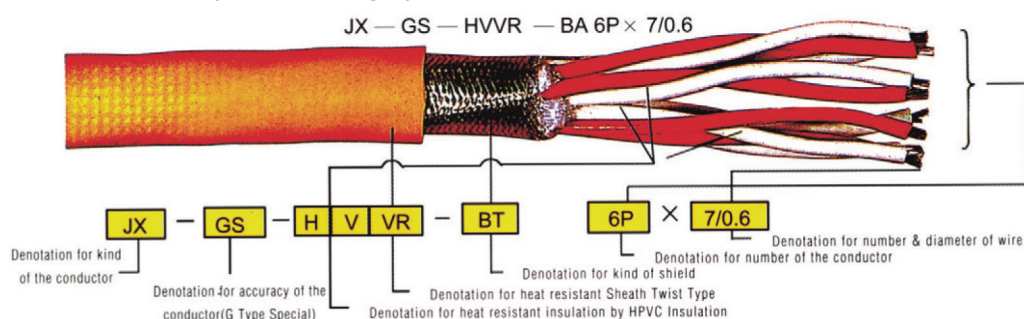
Standards	Name	Limits of Error	- 20℃	50℃ Oil bath	58, 38℃ Sodium acetate	100℃ Water boiling point	150℃ Oil bath	218℃ Naphtalin boiling point
JIS	BX - G							
	RX - G <sub>H</sub>	+ 3 - 7		296 + 20 - 45	352 + 20 - 46	647 + 23 - 52	1041 + 24 - 58	
	SX - G <sub>H</sub>	+ 3 - 7		299 + 19 - 45	354 + 20 - 46	645 + 22 - 51	1029 + 24 - 56	
	KX - G <sub>H</sub>	±2.5	-777 + 95.5 - 96	-22 + 103.5 - 102.5	2369 ±103.5	4095 ±103.5	6137 + 101 - 100.5	
	KX - GS <sub>HS</sub>	±1.5	-777 + 57 - 58	2022	2369 + 62.38 - 61.62	4095 + 62.5 - 62	6137 + 60.5 - 60	
	WX - G <sub>H</sub>	±3.0	- 777 ±115	2022 + 124 - 123	2369 + 124.38 - 124.0	4095±124	6137 ±121	
	VX - G	±2.5	- 777 + 95.5 - 96	2022 + 103.5 - 102.5	2369 ±103.5	4095±103.5		
	E X - G <sub>H</sub>	±2.5	- 1151 ±141	3047 + 158 - 157.5	3579 + 150.58 - 159.0	6317 + 169 - 168.5	9787 + 177.5 - 178.5	
	JX - G <sub>H</sub>	±2.5	- 995 + 123.5 - 122	2585 + 132 - 132.5	3029 + 131.80 - 133.5	5268 + 135.5 - 136	8008 + 138 - 137.5	
	TX - G <sub>H</sub>	±2.0	-756 + 74 - 73	2035 + 86 - 85	2397 + 87.9 - 86.38	4277 + 94 - 93	6702 + 101 - 100	
	TX - GS <sub>HS</sub>	±1.0	- 757 ±37	2035 ±43	2397 + 43.66 - 43.38	4277 + 47 - 46	67 + 51 - 50	
ANSI	BX	+ 0 - 3.7		2 + 0 - 1	5 + 0 - 1.38	33 + 0 - 2.7		
	RX		±5	296 + 34 - 32	352 + 34 - 33	647 + 38 - 37	1041 ± 41	1629 ± 42
	SX		±5	299 + 34 - 33	354 + 33.62 - 33.0	645 + 37 - 36	1029 ±40	1594 ± 43
	KX	±2.2		2022 + 91 - 90	2369 + 91.2 - 91.02	4095 ±91	6137 ±89	8857 + 89 - 88
	EX	±1.7		3047 ±107	3579 + 108.88 - 108.48	6317 ±115	9787 + 121 - 122	14759 ±127
	JX		±2.2	2585 + 116 - 117	3029 + 116.6 - 117.42	5268 ±120	8008 + 122 - 121	11776 ±122
	J X		±1.1	2035 ±37	2397 ±58.3	5268 ±60	8008 ±61	11776 ±61
	TX	±1.0	- 757 ±37	2035 ±43	2397 + 43.62 - 43.38	4277 + 47 - 48		
	TX-	±0.5	- 757 ±37	2035 ±21	2397 + 22 - 21.88	4277 + 23 - 24		

## Sign Explanation

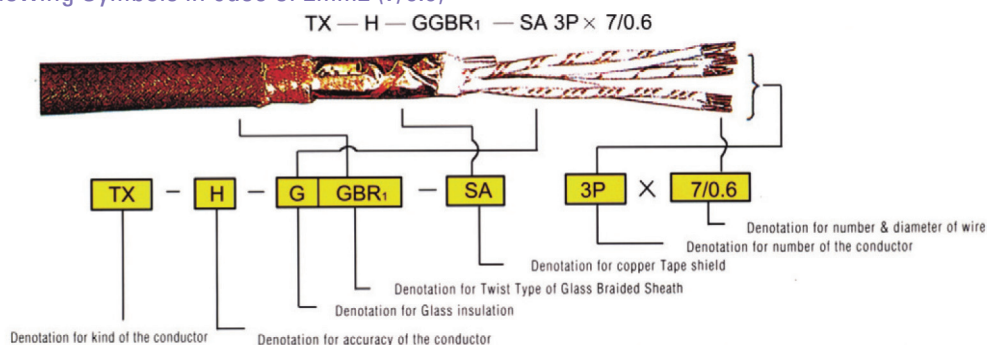
- ▶ VX(Old Symbols:WCA)-G Type Vinyl Insulation, Vinyl Covered Sheath, Parallel Type Denote by the following Symbols in case of 2.3mm<sup>2</sup> (7/0.65)



- ▶ JX(Old Symbols:WIC)-G S Type Heat Resistant Vinyl Insulations, Heat Resistant Vinyl Covered Sheath, Copper Braided Shield Denote by the following Symbols in case of 2mm<sup>2</sup> (7/0.6)



- ▶ TX(Old Symbols:WCC)-H Type Glass Braided Insulation, Glass Braided Sheath, Twist Type, Shield Denote by the following Symbols in case of 2mm<sup>2</sup> (7/0.6)



- ▶ ANSI Code, EX, Vinyl Insulation, Vinyl Covered Sheath, Twist Type, Copper Tape, Iron Tape Double Shield, Denote by the following Symbols in case of 1.3mm<sup>2</sup>(4/0.65)

