

T.C.W.

Compensating wire for thermocouples



[Product Overview]

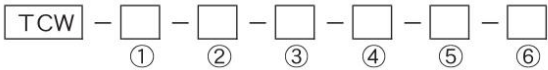
The compensation wire connects the thermocouple and the receiving instrument.

Special cable for thermocouples used in is.

TCW has high quality stability and durability.

This is an excellent compensation conductor.

[Model number configuration]



Item Code	Basic model	specification
TCW Compensating wire for thermocouple (flat type 1 pair)		
γ Compensating conductor type		BX Type B Compensating Wire
		RX Type R Compensation Wire
		SX Type S Compensating Wire
		Compensation lead wire for KX type K (for high precision)
		WX type K compensation conductor (heat resistant)
		Compensation lead wire for VX type K (general use)
		EX Type E Compensating Wire
		JX Type J Compensating Wire
γ Precision		1 Precision grade (KX, EX, JX, TX only)
		2 Normal grade (standard)
γ Type of coating		G Vinyl coated (standard)
		H Glass braided coarse coating (standard)
		6F Teflon (FEP) coating
		Z Coating materials other than those mentioned above
γ Shield		X Unshielded (standard)
		IS Tinned soft copper wire braided inner shield
		OS Tinned soft copper braided outer shield
		SOS Stainless steel braided outer shield
γ Conductor configuration		12/0.18 (pieces/mm) 0.31sq
		7/0.3 (pieces/mm) 0.5sq (standard)
		20/0.18 (pieces/mm) 0.51sq
		30/0.18 (pieces/mm) 0.75sq
γ Length		1 0 0 10m
		γγ (m)

- *The insulating coating material is the same as that of type γ of coating.
- *For Type K compensating conductors, the type of coating for WX (heat resistant) is "H" (glass braided coarse coating).
- For VX (general use), the type of coating is "G" (vinyl coating).
- *Length is usually sold in 100m increments. However, for products marked (standard),
- We also sell in 1m increments only if we have stock, so please consult with our sales staff.
- *We also accept orders for compensation conductors other than those listed above.

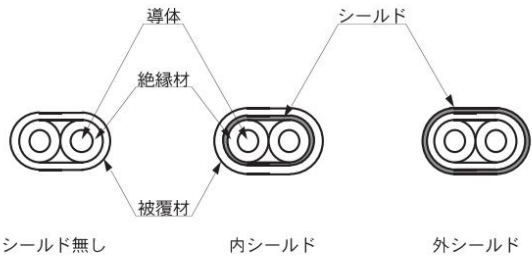
<Usage temperature of each coating material>

Covering material	Maximum operating temperature (γ) (γ)	Minimum operating temperature
Heat-resistant vinyl	90 - 200	
Glass braid	150 0	
Teflon (FEP)	200	-25

<Thermocouple type and coating color> Compliant with JIS C 1610-1981

Use in combination Thermocouple Types	Coating color	Insulation Color	
		+ side - side	
B	ash	red	white
R	black		
S	black		
K	Blue		
E	Purple		
J	yellow		
T	tea		

[Dimensions]



<Finished outer diameter>

Conductor Construction	Types of coating materials											
	Vinyl Covering			Glass Braided Coating			Silicone coating			Teflon Coating		
	X	IS		X	IS	SOS	X	IS	SOS	X	IS	SOS
12/ 0.18 2.3x 3.8	3.3x 4.8 2.1x 3.6	2.7x 4.2 2.7x 4.2	2.6x 4.0 3.2x 4.6	3.2x 4.6 3.2x 4.6	1.8x 3.0 2.4x 3.6	2.4x 3.6						
7 /0 .3 3.2x 5.1	3.8x 5.7 2.3x 4.0	2.9x 4.6 2.9x 4.6	3.3x 5.2 3.9x 5.8	3.9x 5.8 3.9x 5.8	2.0x 3.4 2.6x 4.0	2.6x 4.0						
20/ 0.18 3.3x 5.3	3.9x 5.9 2.4x 4.2	3.0x 4.8 3.0x 4.8	3.3x 5.2 3.9x 5.8	3.9x 5.8 3.9x 5.8	2.1x 3.6 2.7x 4.2	2.7x 4.2						
30/ 0.18 3.5x 5.7	4.1x 6.3 2.6x 4.6	3.2x 5.2 3.2x 5.2	3.8x 6.0 4.4x 6.6	4.4x 6.6 4.4x 6.6	2.4x 4.1 3.0x 4.7	3.0x 4.7						