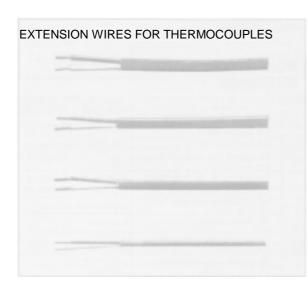
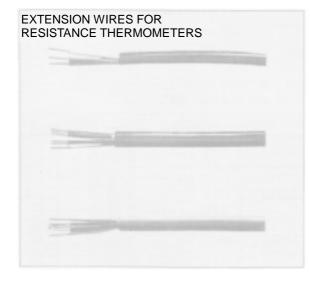
EXTENSION WIRES FOR TEMPERATURE SENSORS



EXTENSION WIRES CONNECTING WIRES FOR RESISTANCE THERMOMETERS CONNECTING TIPS



т	Standa	rd type		Thin type)	Precisi	on type	Thin precision type		
Туре	Water proof	Heat resistance	General use	Heat resistance	External shield	Water proof	Heat resistance	General use	Heat resistance	
R	RXV	RXH	RXI	RXJ						
K	VXV	WXH	VXI	WXJ	WXA	KXVS	KXHS	KXIS	KXJS	
Е	EXV	EXH	EXI	EXJ	EXA					
J	JXV	JXH	JXI	JXJ	JXA					
Т	TXV		TXI	TXJ	TXA					
W		NXH								
В	BXV	ВХН	BXI	BXJ						
S		SXH								



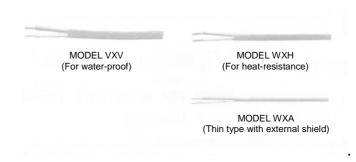
Sheath materials	3-core	4-core	6-core	8-core				
Vinyl	WV38	WV46	WV61					
Heat-resisting vinyl	WP3□			WP81				
Cold-resisting vinyl	WY3□							
Vinyl with internal shield	WG38							
Silicone rubber	WS3□	WS44	WS68					
Neoprene rubber	WN38		WN61					
Lead covered by neoprene rubber	WL31		WL61					
Teflon and glass wool braided	WM34							
Teflon	WF32							
(Note): ☐ indicates the finished outer diameter. A real figure shows that its corresponding wire has one finished outer diameter only.								



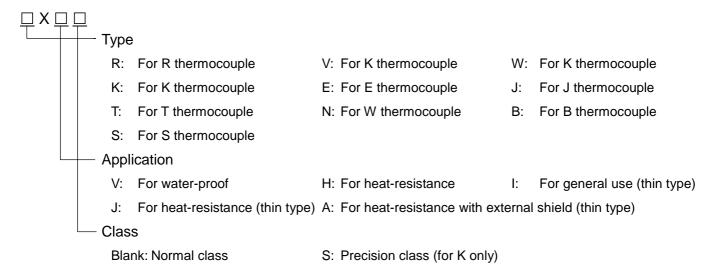
Classification	ion For termination							
Code	G	В						
Outer shape		<u>5</u>	U Y		#			

EXTENSION WIRES

The extension wires are a pair of insulated lead wires, of which the EMF characteristics are similar to the characteristics of the thermocouple to be combined in the appropriate temperature range including the room temperature. The wires are used for connecting thermocouple terminals and reference junctions of instruments to compensate an error that may be produced by a temperature change at the thermocouple terminals.



■ MODELS



■ GENERAL SPECIFICATIONS

Type		Applications	Code	Composition	of core (mm)	Sheath		Electric resistance	Workin temperati		Allowance of error	Finished outer diameter
	,,,,,	приношено	0000	+ side	- side	Material	Color	(Ω/m)	(°C)		(μV)	(mm)
ĺ		For heat-resistance	RXH	Copper 0.65 x 7	Copper alloy 0.65 x 7	Glass wool braided		0.03	0 to	150	±60	4 x 6.5
	R	For water-proof	RXV	ооррег 0.00 х 7	Copper andy 0.00 x 7	Vinyl	Black	0.00	0 to	90	±30	5 x 8
IX.		Thin type for heat-resistance	RXJ	Copper 0.3 x 7	Copper alloy 0.3 x 7	Glass wool braided	DIACK	0.13	0 to	150	±60	2.4 x 4
		Thin type for general use	RXI	ооррег б.б х т	Copper alloy 0.0 x 7	Vinyl		0.13	0 to	90	±30	3 x 4.9
	F	For heat-resistance	KXHS	Chromel 0.65 x 7	Alumel 0.65 x 7	Glass wool braided		0.43	0 to	150		4 x 6.5
	Precision class	For water-proof	KXVS	Chilother 0.03 x 7	Aldiner 6.65 X 7	Vinyl		0.40	(-)20 to	90	±100	5 x 8
	Prec	Thin type for heat-resistance	KXJS	Chromel 0.32 x 7	Alumel 0.32 x 7	Glass wool braided		1.94	0 to	150	±100	3 x 4.9
	_	Thin type for general use	KXIS	Cilioniei 0.32 x 7	Aldillel 0.32 X 7	Vinyl		1.54	(-)20 to	90		2.4 x 4
K		For heat-resistance	WXH	Iron 0.65 x 7	Constantan 0.65 x 7	Glass wool braided	Blue	0.38	0 to	150		5 x 6.5
	class	Thin type for heat-resistance	WXJ	Iron 0.3 x 7	Constantan 0.3 x 7	Glass wool braided		1.25	0 to	150	±60	2.4 x 4
	nalo	Thin type for general use	VXI	Copper 0.3 x 7	Constantan 0.3 x 7	Vinyl		1.25	(-)20 to	90		3 x 4.9
	Normal	For water-proof	VXV	Copper 0.65 x 7	Constantan 0.65 x 7	Vinyl		0.22	0 to 90		5 x 8	
	-	With external shield	WXA	Iron 0.3 x 7	Constantan 0.3 x 7	Stainless steel braided		1.25	0 to	150		2.8 x 4.5
		For heat-resistance	EXH	Chromel 0.65 x 7	Constantan 0.65 x 7	Glass wool braided		0.51	0 to	150	±200	4 x 6.5
		For water-proof	EXV	Chromei 0.65 x 7		Vinyl			(-)20 to	90		5 x 8
	Е	Thin type for heat-resistance	EXJ		Constantan 0.3 x 7	Glass wool braided	Purple		0 to	150		2.4 x 4
		Thin type for general use	EXI	Chromel 0.3 x 7		Vinyl		2.45	(-)20 to	90		3 x 4.9
		With external shield	EXA			Stainless steel braided			0 to	150		2.8 x 4.5
		For heat-resistance	JXH	Iron 0.65 x 7	Constantan 0.65 x 7	Glass wool braided		0.38	0 to	150		3.4 x 6.2
		For water-proof	JXV	I X CO.U NOTI		Vinyl			(-)20 to	90		5 x 8
	J	Thin type for heat-resistance	JXJ			Glass wool braided	Yellow	1.25	0 to	150	±140	2.4 x 4
		Thin type for general use	JXI	Iron 0.3 x 7	Constantan 0.3 x 7	Vinyl	1		(-)20 to	90		3 x 4.9
		With external shield	JXA			Stainless steel braided			0 to	150		2.8 x 4.5
		For water-proof	TXV	Copper 0.65 x 7	Constantan 0.65 x 7	Vinyl		0.22	(-)20 to	90		5 x 8
	_	Thin type for heat-resistance	Thin type for heat-resistance TXJ			Glass wool braided	D		0 to	150		2.4 x 4
	Т	Thin type for general use	TXI	Copper 0.3 x 7	Constantan 0.3 x 7	Vinyl	Brown	1.05	(-)20 to	90	±60	3 x 4.9
		With external shield	TXA	1		Stainless steel braided	1		0 to	150		2.8 x 4.5
	W	For heat-resistance	NXH	Copper alloy 0.5 single wire	Copper alloy 0.5 single wire	Glass wool braided	White	3.10	(-)20 to	150		2 x 3
		For heat-resistance	BXH	0	Copper 0.65 x 7	Glass wool braided		0.044	0 to	150		3.4 x 6.2
		For water-proof	BXV	Copper 0.65 x 7		Vinyl	Gray	0.014	0 to	90		5 x 8
	В	Thin type for heat-resistance	BXJ	0	0	Glass wool braided		0.068	0 to	150		2.4 x 4
		Thin type for general use	BXI	Copper 0.3 x 7	Copper 0.3 x 7	Vinyl			0 to	90	1	3 x 4.9
	S	For heat-resistance	SXH	Copper 0.65 x 7	Copper alloy 0.65 x 7	Glass wool braided	Black	0.045	0 to	150	±60	4 x 6.5



EXTENSION WIRES FOR RESISTANCE THERMOMETER

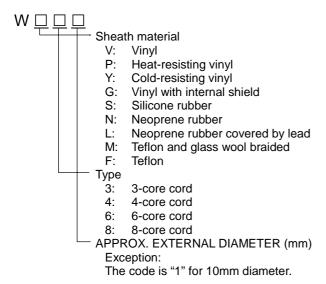
When a 3-wire type resistance thermometer is connected to instrument terminals, an error occurs, unless these 3 wires have the same resistance value.

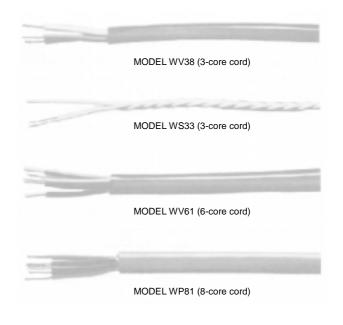
The 3-core cords can minimize this possible error caused by difference of wire resistance values.

The 6-core cord is suitable to connect a dual-type resistance thermometer or a temperature/humidity transmitter (R320).

The 8-core cord is suitable to connect a temperature/humidity transmitter (R220).

■ MODELS





■ GENERAL SPECIFICATIONS

Туре	Code	Electric resistance (at 1m)	temp	wable eratu °C)		Sheath material	Finished outer diameter (mm)
	WV38	0.025Ω	(-)20	to	60	Vinyl	ø8
	WP38	0.025Ω	(-)20	to	100	Heat-resisting vinyl	ø8
	WP35	0.055Ω	(-)20	to	100	Heat-resisting vinyl	ø5
	WP33	0.11Ω	(-)20	to	100	Heat-resisting vinyl (3-twisted single wire)	About Ø3.5
	WS33	0.11Ω	(-)60	to	250	Silicone rubber (3-twisted single wire)	About Ø3.5
	WS36	0.037Ω	(-)60	to	250	Silicone rubber	ø6
3-core code	WN38	0.037Ω	(-)40	to	70	Neoprene rubber	ø8
	WM34	0.037Ω	(-)50	to	250	Teflon and glass wool braided	About Ø4
	WF32	0.11Ω	(-)180	to	250	Teflon (3-twisted single wire)	About Ø2.2
	WY3.4	0.055Ω	(-)40	to	60	Cold-resisting vinyl	About Ø3.8
	WY36	0.037Ω	(-)40	to	60	Cold-resisting vinyl	ø6
	WL31	0.037Ω	(-)40	to	70	Neoprene rubber covered by lead	Ø10
	WG38	0.025Ω	(-)20	to	60	Vinyl with internal shield	ø8
4-core code	WV46	0.037Ω	(-)20	to	60	Vinyl	ø5.5
4-core code	WS44	0.11Ω	(-)60	to	250	Silicone rubber	Ø4
	WV61	0.037Ω	(-)20	to	60	Vinyl	Ø10
6-core code	WN61	0.037Ω	(-)40	to	70	Neoprene rubber	Ø10
o-core code	WS68	0.037Ω	(-)60	to	250	Silicone rubber	Ø8
	WL61	0.037Ω	(-)40	to	70	Neoprene rubber covered by lead	Ø12
8-core code	WP81	0.037Ω	(-)20	to	100	Heat-resisting vinyl	Ø10

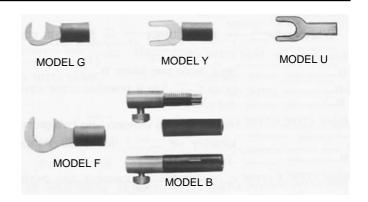


CONNECTION TIPS

Two types of connection tips, for terminals and for relaying, are available.

The tips for terminals are used for terminating extension wires and are convenient for connections to instrument terminals.

The tips for relaying are used for connecting a thermocouple and a corresponding extension wire.



Classification		For relaying				
Application	For instrume	ent terminals	For sensor terminals	For EB series recorders	For connection of thermocouple and extension wire	
Code	G	Y	U	F	В	
Specification	Plastic covering	R2 Plastic covering	R2 658	Plastic covering R3.3 9.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Screw 980 6 15 23	
Covering color	+: Red -: White	+: Red -: White		+: Red -: White	+: Red -: Black	

Unit: mm

Specifications subject to change without notice. Original 2002.11