

Made in JAPAN

誰でも安心して使用できる

TWINTOR®

Features

The thermocouple connectors, "TWINTOR," are our original products, and there are no other products like these in Japan.

Users can use a thermocouple, connector, and extension and compensating cable for thermocouples in the same color; this means that the "TWINTOR" connectors are super heat-resistant connectors that help to prevent problems such as wrong wiring and that ensure safe use by all users.

We, as a manufacturer dedicated to supplying extension and compensating cables for thermocouples and duplex insulated thermocouple wire, utilizing our knowledge and technology of measuring thermoelectric temperature that we have accumulated over years, have developed the above thermocouple connectors to facilitate the easy use of thermocouples. "TWINTOR" is a registered trademark of our company.

General specifications of the products

Material ; PPS

Heat-resistant temperature range ; -50°C to $+260^{\circ}\text{C}$

Continuous use temperature ; Equal to or higher than $+220^{\circ}\text{C}$

Incombustibility ; UL94V0

Insulation resistance ; $4 \times 10^{16} \Omega \cdot \text{cm}$

Chemical resistance ; Excellent chemical resistance comparable to that of fluorine resin.
Excellent resistivity to general organic solvents.

Oil resistance ; Excellent resistivity to mineral oil, grease, diesel oil, and gas oil

STANDARD THERMOCOUPLE CONNECTORS

Outside diameters of usable sheaths = 2.8mm to 6.0mm
 Outside diameters of usable conductors = Up to 1.0mm

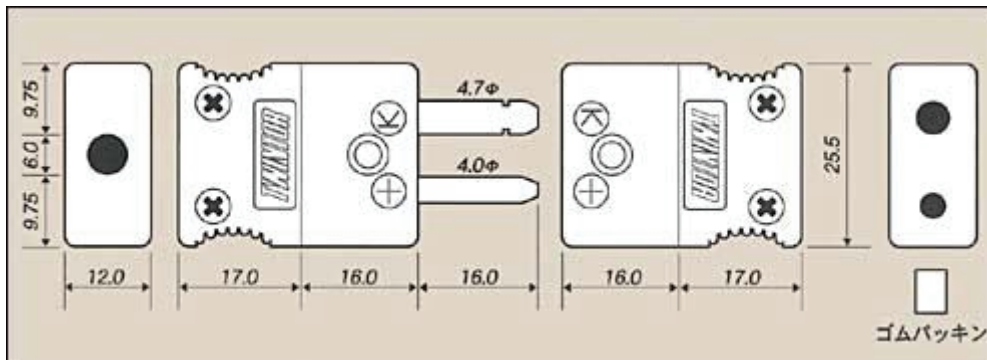
Type of thermocouple	Metal material used		Part No. (color in Section 2, JIS C1610-1995)				Part No. (color in ASTM E230 [former ANSI])			
	Positive side	Negative side	Identification	Set	Plug	Jack	Identification	Set	Plug	Jack
K	Chromel	Alumel	Blue	NDP-T01-K	NDP-P01-K	NDP-J01-K	Yellow	NDP-T01-KA	NDP-P01-KA	NDP-J01-KA
J	Steel	Copper-nickel alloy	Yellow	NDP-T01-J	NDP-P01-J	NDP-J01-J	Black	NDP-T01-JA	NDP-P01-JA	NDP-J01-JA
T	Copper	Copper-nickel alloy	Brown	NDP-T01-T	NDP-P01-T	NDP-J01-T	Blue	NDP-T01-TA	NDP-P01-TA	NDP-J01-TA
E	Chromel	Copper-nickel alloy	Purple	NDP-T01-E	NDP-P01-E	NDP-J01-E	Purple	NDP-T01-EA	NDP-P01-EA	NDP-J01-EA
R*	Copper	Copper alloy	Black	NDP-T01-R	NDP-P01-R	NDP-J01-R	Green	NDP-T01-RA	NDP-P01-RA	NDP-J01-RA

*We can offer connectors with colors specified in JIS C1610-2012.

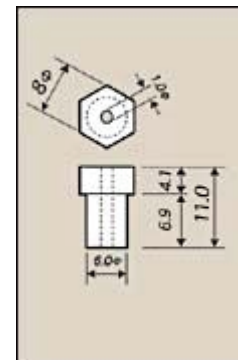
*For the connection part of TWINTOR for R-type thermocouple, the material used for extension and compensating cables for thermocouples is used.

When placing an order, please specify the "NDP" part No. described in the above table.

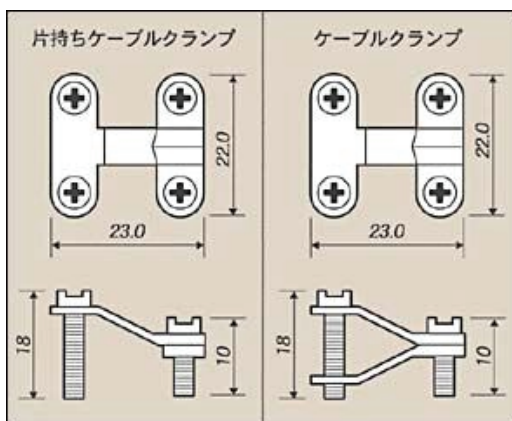
connector



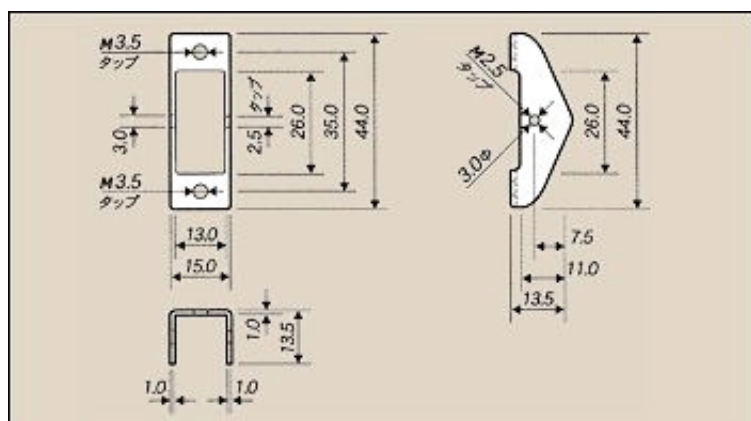
adapter



Cable clamp



Panel fitting



MINIATURE THERMOCOUPLE CONNECTORS

Outside diameters of usable sheaths = 0.5mm to 4.0mm
 Outside diameters of usable conductors = Up to 0.5mm

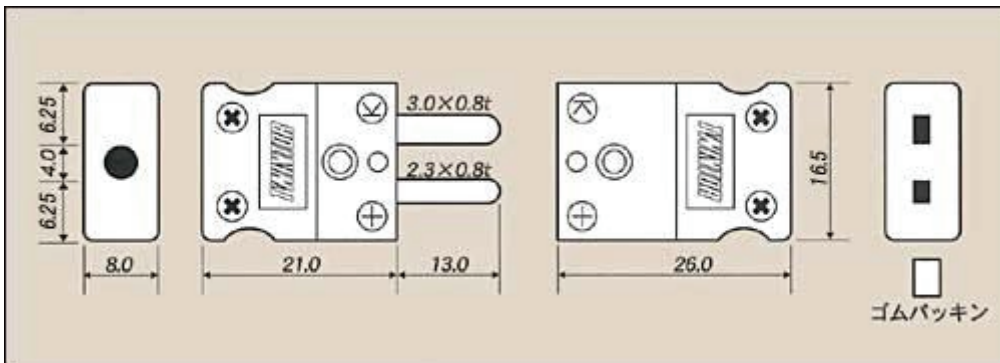
Type of thermocouple	Metal material used		Part No. (color in Section 2, JIS C1610-1995)				Part No. (color in ASTM E230 [former ANSI])			
	Positive side	Negative side	Identification	Set	Plug	Jack	Identification	Set	Plug	Jack
K	Chromel	Alumel	Blue	NDP-T02-K	NDP-P02-K	NDP-J02-K	Yellow	NDP-T02-KA	NDP-P02-KA	NDP-J02-KA
J	Steel	Copper-nickel alloy	Yellow	NDP-T02-J	NDP-P02-J	NDP-J02-J	Black	NDP-T02-JA	NDP-P02-JA	NDP-J02-JA
T	Copper	Copper-nickel alloy	Brown	NDP-T02-T	NDP-P02-T	NDP-J02-T	Blue	NDP-T02-TA	NDP-P02-TA	NDP-J02-TA
E	Chromel	Copper-nickel alloy	Purple	NDP-T02-E	NDP-P02-E	NDP-J02-E	Purple	NDP-T02-EA	NDP-P02-EA	NDP-J02-EA
R*	Copper	Copper alloy	Black	NDP-T02-R	NDP-P02-R	NDP-J02-R	Green	NDP-T02-RA	NDP-P02-RA	NDP-J02-RA

*We can offer connectors with colors specified in JIS C1610-2012.

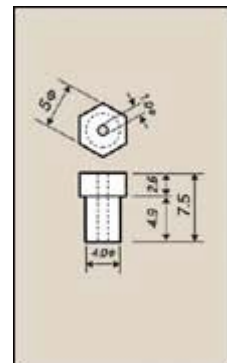
*For the connection part of TWINTOR for R-type thermocouple, the material used for extension and compensating cables for thermocouples is used.

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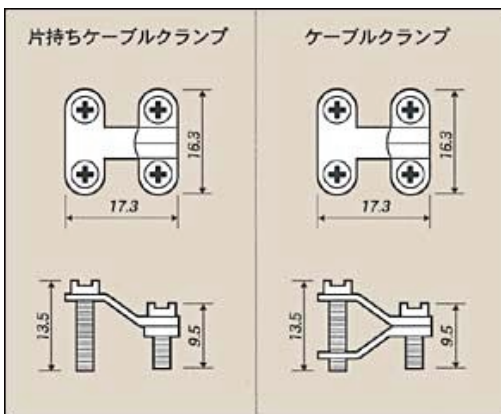
connector



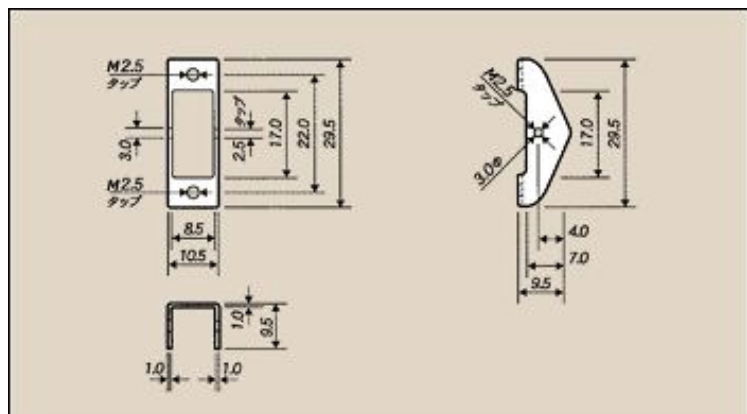
adapter



Cable clamp



Panel fitting



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