

Thermocouple Wire

Model Code

T1 T2 - T3 / T4 - T5 T6

T1	Thermocouple Type (conductor insulation color)
K	Type K (yellow / red)
J	Type J (white / red)
T	Type T (blue / red)
E	Type E (purple / red)
N	Type N (orange / red)
RS ²	Type R&S (black / red)
Other	Consult factory

T2	Thermocouple Wire Grade
(blank)	Standard thermocouple grade
X	Extension wire grade

T3	Conductor Insulation Material ³
PC	Poly vinyl chloride (PVC) (102°C)
TE	Teflon PFA (260°C)
TX	Teflon FEP (200°C)
FB	Fiberglass (482°C)
HF	High temperature fiberglass (704°)
RB	Filoflex (850°C)
CF	Ceramic fiber (1204°C)

T4	Conductor Insulation Material ³
PC	Poly vinyl chloride (PVC) (102°C)
TE	Teflon PFA (260°C)
TX	Teflon FEP (200°C)
FB	Fiberglass (482°C)
HF	High temperature fiberglass (704°)
TESS	Teflon with SS over braid (260°C)
FBSS	Fiberglass with SS over braid (482°C)
RB	Filoflex (760°C)
CF	Ceramic fiber (1204°C)

T5	Wire AWG
14	14 AWG
16	16 AWG
18	18 AWG
20	20 AWG
22	22 AWG
24	24 AWG
26	26 AWG

T6	Conductor Construction
(blank)	Solid conductor
F	Stranded conductor

Physical Overview

Insulation Outer Jacket Color						
Type	PC	TE/TX	FB	RB	CF	xxSS
K	Yellow	Brown	Textured Yellow	Textured Yellow	White	Stainless
J	Black	Brown	Textured Black	Textured Black	White	Stainless
T	Blue	Brown	Textured Blue	Textured Blue	White	Stainless
E	Purple	Brown	Textured Purple	Textured Purple	White	Stainless
N	Orange	Brown	Textured Orange	Textured Orange	White	Stainless
RSX	Green	Brown	Textured Green	Textured Green	White	Stainless

NOTES:

1. Part number example: KX-PC/PC-20 or K-FB/FB-20F
2. RSX (Type R & S) thermocouple wire is constructed from copper/copper and only available in extension grade
3. Temperature values indicated are for continuous use
4. Initial calibration tolerances and color coding per ASTM E230 and ANSI MC96.1 for standard and extension grade wire
5. Bold text indicates most common part selections
6. Some part selection patterns may not be available, consult factory

