GG-T-TC-WIRE

T-Type Thermocouple Duplex Wire

GG-T-TC-WIRE is duplex-insulated copper-constantan (Type T) thermocouple grade wire for dependable, high-accuracy temperature measurement. It is designed for demanding industrial, laboratory, and HVAC environments, and suits both replacement of existing wiring and new system builds.

Variants are distinguished by insulation material, conductor construction (solid or stranded), gauge, and accuracy grade. Insulation is the primary driver of the temperature ceiling; conductor construction governs flexibility and routing.



To Order

Insulation	AWG No.	Model Number	Type Wire	Insulation		Max Temp		Nominal Size mm (inches)	Wt.† kg/300 m (lb/1000')
				Conductor	Overall	°C	°F		
Glass	20	GG-T-20	Solid	Glass Braid	Glass Braid	260	500	1.5 x 2.4 (0.060 x 0.095)	4 (9)
	20	GG-T-20S	7 x 28	Glass Braid		260	500	1.5 x 2.5 (0.060 x 0.100)	4 (9)
	24	GG-T-24	Solid	Glass Braid		200	400	1.3 x 2.0 (0.050 x 0.080)	3 (5)
	24	GG-T-24S	7 x 32	Glass Braid		200	400	1.3 x 2.2 (0.050 x 0.085)	3 (5)
	26	GG-T-26	Solid	Glass Wrap		200	400	1.1 x 1.9 (0.045 x 0.075)	2 (4)
	28	GG-T-28	Solid	Glass Wrap		200	400	1.0 x 1.4 (0.040 x 0.055)	2 (3)
	30	GG-T-30	Solid	Glass Wrap		150	300	0.9 x 1.3 (0.037 x 0.050)	2 (3)
Glass with Stainless Steel Overbraid	20	GG-T-20-SB	Solid	Glass	SS Braid Over Glass	260	500	2.2 x 3.0 (0.090 x 0.120)	6 (14)
	20S	GG-T-20S-SB	7 x 28			260	500	2.2 x 3.0 (0.085 x 0.117)	5 (11)
	24	GG-T-24-SB	Solid			200	400	2.2 x 3.0 (0.085 x 0.117)	5 (11)
	24S	GG-T-24S-SB	7 x 32			200	400	2.2 x 3.0 (0.085 x 0.117)	5 (11)
Kapton Polymide Tape	20	KK-T-20	Solid	Fused Polymide Tape	Fused Polymide Tape	260	500	1.5 x 2.5 (0.060 x 0.100)	5 (11)
	24	KK-T-24	Solid			260	500	1.3 x 1.9 (0.050 x 0.075)	3 (6)
	30	KK-T-30	Solid			260	500	0.6 x 1.1 (0.026 x 0.044)	3 (5)
PFA Glass	30	TG-T-30	Solid	PFA	Glass Braid	150	300	0.9 x 1.2 (0.034 x 0.047)	1 (2)
	36	TG-T-36	Solid			150	300	0.7 x 1.0 (0.028 x 0.038)	1 (2)
	40	TG-T-40	Solid			150	300	0.7 x 0.9 (0.026 x 0.035)	1 (2)
Neoflon PFA (High Performance)	20	TT-T-20	Solid	PFA	PFA	260	500	1.7 x 3.0 (0.068 x 0.116)	5 (11)
	20	TT-T-20S	7 x 28			260	500	1.9 x 3.2 (0.073 x 0.126)	5 (11)
	22	TT-T-22S	7 x 30			260	500	1.7 x 3.4 (0.065 x 0.133)	4 (9)
	24	TT-T-24	Solid			200	400	1.4 x 2.4 (0.056 x 0.092)	3 (7)
	24	TT-T-24S	7 x 32			200	400	1.6 x 2.6 (0.063 x 0.102)	3 (7)
	30	TT-T-30††	Solid			150	300	0.6 x 1.0 (0.024 x 0.040)	1 (2)
	36	TT-T-36††	Solid			150	300	0.5 x 0.8 (0.019 x 0.030)	1 (2)
	40	TT-T-40††	Solid			150	300	0.4 x 0.7 (0.017 x 0.026)	1 (2)
PFA Polymer w/Twisted and Shielded Conductors	20	TT-T-20-TWSH	Solid	PFA Polymer	PFA Polymer and Shielding	260	500	3.7 (0.15)	9 (20)
	20S	TT-T-20S-TWSH	7 x 28			260	500	3.8 (0.15)	9 (20)
	24	TT-T-24-TWSH	Solid			260	500	2.7 (0.11)	4 (9)
	24S	TT-T-24S-TWSH	7 x 32			260	500	2.9 (0.12)	4 (9)
Neoflon FEP	20	FF-T-20	Solid	FEP	FEP	200	392	1.7 x 3.0 (0.068 x 0.116)	5 (11)
	24	FF-T-24	Solid			200	392	1.4 x 2.4 (0.056 x 0.092)	3 (7)
FEP Polymer w/Twisted and Shielded Conductors	20	FF-T-20-TWSH	Solid	FEP Polymer	FEP Polymer and Shielding	200	392	3.7 (0.15)	9 (20)
	20S	FF-T-20S-TWSH	7 x 28			200	392	3.8 (0.15)	9 (20)
	24	FF-T-24-TWSH	Solid			200	392	2.7 (0.11)	4 (9)
	24S	FF-T-24S-TWSH	7 x 32			200	392	2.9 (0.12)	4 (9)
TFE Tape Polymer	20	TFE-T-20	Solid	FEP Polymer	Fused TFE Tape Polymer	260	500	1.5 x 2.5 (0.060 x 0.100)	5 (11)
	20S	TFE-T-20S	7 x 28			260	500	1.5 x 2.7 (0.060 x 0.105)	5 (11)
	24	TFE-T-24	Solid			260	500	1.3 x 1.9 (0.050 x 0.075)	3 (6)
	24S	TFE-T-24S	7 x 32			260	500	1.3 x 2.2 (0.050 x 0.085)	3 (6)
Polyvinyl	24	PP-T-24	Solid	Polyvinyl	Polyvinyl (Rip Cord)**	105	221	1.9 x 3 (0.075 x 0.120)	5 (10)
	24	PP-T-24S	7 x 32			105	221	1.9 x 3.1 (0.080 x 0.130)	5 (10)
	24	PR-T-24	Solid			105	221	1.3 x 2.2 (0.050 x 0.086)	3 (5)

See Fused Tape Insulated TFE-T Series.

** Two insulated leads bonded together, but with no overjacket.

† Weight of spool and wire rounded to the next highest lb. (does not include packing material).

†† Overall color clear, **†††** To order special limits of error wire, add "**-SLE**" to model number before spool length.

Ordering Example: TT-T-24-SLE-1000, 1000' (300 m) of Type T duplex insulated special limits of error thermocouple wire.

Discount Schedule (1000' spools only)	
3 to 4 spools	10 %
5 to 9 spools	15 %
10 to 19 spools	20 %

Note: Published prices are based on market value at time of printing and are subject to change due to Nickel surcharges, Chromium and precious-metal market fluctuations.

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