



Thermo-Couple Products Co.

www.tcproducts.com

a division of Marsh Bellofram
www.marshbellofram.com
1-800-727-5646

TYPE 6

Single Conductor Insulation

- Braided Vitreous Silica Yarn;
- No Impregnation

Duplex Conductor Insulation

- Braided Vitreous Silica Yarn;
- No Impregnation

Temperature Rating

- Continuous: 1800°F (982°C)
- Single Reading 2000°F (1093°C)

ANSI Color-Coded

- No

Physical Properties

- Abrasion Resistance - Fair
- Moisture Resistance - Fair
- Chemical Resistance - Good

Note

- Because this insulation has no binders or impregnation, it may "fray" when stripped.

Characteristics

- See page 129

Thermocouple Grade Wire

Type	Catalog Number	Wire Gauge	Conductor size (in/mm)	Ohms /Dbl. Ft.	Nominal Overall size (in/mm)	Approx. Shipping Weight	
						(lb. /1000 ft)	(Kg/Km)
6	20K6	20	.0320/.813	.590	.100 x .155/2.54 x 3.94	16	23.8

TYPE 7

Single Conductor Insulation

- Fiberglass Braid with Silicone
- Modified Resin Impregnation

Duplex Conductor Insulation

- Fiberglass Braid with Silicone
- Modified Resin Impregnation

Temperature Rating

- Continuous: 900°F (482°C)
- Single Reading 1000°F (538°C)

ANSI Color-Coded

- Yes

Note

- Impregnation retained to 400°F (204°C)

Characteristics

- See page 129

Thermocouple Grade Wire

Type	Catalog Number	Wire Gauge	Conductor size (in/mm)	Ohms /Dbl. Ft.	Nominal Overall size (in/mm)	Approx. Shipping Weight	
						(lb. /1000 ft)	(Kg/Km)
7	20E7	20	.0320/.813	.704	.055 x .097/1.40 x 2.46	8	11.9
7	20J7	20	.0320/.813	.357	.055 x .097/1.40 x 2.46	8	11.9
7	24J7	24	.0201/.508	.877	.045 x .077/1.14 x 1.96	4	6.0
7	30J7	30	.0100/.254	3.520	.043 x .067/1.09 x 1.70	3	4.5
7	20K7	20	.0320/.813	.590	.055 x .097/1.40 x 2.46	8	11.9
7	24K7	24	.0201/.508	1.490	.045 x .077/1.14 x 1.96	4	6.0
7	28K7	28	.0126/.320	3.770	.043 x .067/1.09 x 1.70	3	4.5
7	20T7	20	.0320/.813	.298	.055 x .097/1.40 x 2.46	5	7.4
7	24T7	24	.0201/.508	.753	.045 x .077/1.14 x 1.96	4	6.0

Extension Grade Wire

Type	Catalog Number	Wire Gauge	Conductor size (in/mm)	Ohms /Dbl. Ft.	Nominal Overall size (in/mm)	Approx. Shipping Weight	
						(lb. /1000 ft)	(Kg/Km)
7	L24R7	24	.0201/.508	.087	.045 x .077/1.14 x 1.96	8	11.9

TYPE 8

Single Conductor Insulation

- Double Fiberglass Wrap
- Varnish Impregnation

Duplex Conductor Insulation

- Fiberglass Braid with Silicone
- Modified Resin Impregnation

Temperature Rating

- Continuous: 900°F (482°C)
- Single Reading 1000°F (538°C)

ANSI Color-Coded

- Yes

Physical Properties

- Abrasion Resistance - Fair
- Moisture Resistance - Good
- Chemical Resistance - Good

Note

- Impregnation retained to 400°F (204°C)

Characteristics

- See page 129

Thermocouple Grade Wire

Type	Catalog Number	Wire Gauge	Conductor size (in/mm)	Ohms /Dbl. Ft.	Nominal Overall size (in/mm)	Approx. Shipping Weight	
						(lb. /1000 ft)	(Kg/Km)
8	20J8	20	.0320/.813	.357	.052 x .092/1.32 x 2.34	8	11.9
8	24J8	24	.0201/.508	.877	.043 x .071/1.09 x 1.80	4	6.0
8	28J8	28	.0126/.320	2.216	.035 x .059/.89 x 1.50	11	16.4
8	30J8	30	.0100/.254	3.520	.035 x .053/.89 x 1.35	3	4.5
8	20K8	20	.0320/.813	.590	.052 x .092/1.32 x 2.34	8	11.9
8	24K8	24	.0201/.508	1.490	.043 x .071/1.09 x 1.80	4	6.0
8	28K8	28	.0126/.320	3.770	.035 x .059/.89 x 1.50	3	4.5
8	30K8	30	.0100/.254	5.980	.035 x .053/.89 x 1.35	2	3.0
8	24T8	24	.0201/.508	.753	.043 x .071/1.09 x 1.80	4	6.0
8	30T8	30	.0100/.254	3.025	.035 x .053/.89 x 1.35	2	3.0