

TYPE J

INSULATED THERMOCOUPLE GRADE WIRE

DUPLEX—ANSI type J

Series 300 - Type J Iron/Constantan: Positive wire - White; Negative wire - Red; Overall Jacket - Brown.

Order Code Cat. No.	Size of Wire			Ohms†	Insulations		Nominal over-all Size, Inches Minor x Major	Approx. Shipping Wt. Lbs. per 1000 Ft.	Overbraid Selection Code £
	B & S Gauge	Inch	Type of Wire		Each Conductor	Over-all			
‡ 300-14-309	14	.0641	Solid	.086	High Temp. Glass Braid	High Temp. Glass Braid	.112 x .200	36	1,2,3,4,5
300-18F-313	18	.0490	Stranded	.185	Glass Braid	Glass Braid	.077 x .143	18	1,2,3,4
300-20-251	20	.0320	Solid	.357	Felted ServTex	Glass Braid	.065 x .110	7	1,2,3,4
300-20-304	20	.0320	Solid	.357	Glass Braid	Glass Braid	.059 x .105	8	1,2,3
300-20-305	20	.0320	Solid	.357	Glass Wrap	Glass Braid	.054 x .095	8	1,2,3
300-20-307	20	.0320	Solid	.357	Teflon (TFE) Tape. Teflon (TFE) Impregnated Glass Braid	Teflon (TFE) Impregnated Glass Braid	.075 x .137	11	1,2,3,4
300-20-314	20	.0320	Solid	.357	High Temp. Glass Braid	None Twisted	.098	8	1,2,3
300-20-315	20	.0320	Solid	.357	Glass Braid	None Twisted	.095	8	1,2,3
300-20-507	20	.0320	Solid	.357	Teflon (FEP) Extruded	Teflon (FEP) Extruded	.072 x .124	11	1,2,3,4
300-20-508	20	.0320	Solid	.357	Fused Teflon (TFE) Tape	Fused Teflon (TFE) Tape	.065 x .110	10	1,2,3
300-20-509	20	.0320	Solid	.357	Teflon (FEP) Extruded	Twisted Alum. Mylar/ Teflon (FEP) Extruded	.132	16	1,2,3,4
‡ 300-20-511	20	.0320	Solid	.357	Fused Kapton Tape	Twisted	.087	10	1■,2■,3
300-20-513	20	.0320	Solid	.357	Fused Kapton Tape	Fused Kapton Tape	.057 x .103	11	1■,2■,3
300-20-514	20	.0320	Solid	.357	Tefzel	Tefzel	.068 x .116	10	1,2,3,4
300-20F-302	20	—	Stranded	.317	Double Glass Braid	Glass Braid	.068 x .120	9	1,2,3,4
300-20F-302/S	20	—	Stranded	.317	Double Glass Braid	Glass Braid/Stainless Braid	.100 x .162	16	1
300-20F-304	20	—	Stranded	.317	Glass Braid	Glass Braid	.072 x .132	9	1
300-20F-317/S	20	—	Stranded	.317	Double Glass Braid	Twisted	.132	15	1
300-20F-507	20	—	Stranded	.317	Teflon (FEP) Extruded	Teflon (FEP) Extruded	.077 x .128	12	Consult Factory
‡ 300-20F-512	20	—	Stranded	.317	Kapton	Kapton	.055 x .102	11	1■,2■,3
*300-20F-PO4	20	—	Stranded	*.061	JP Single Conductor	Silicone Impregnated Double Glass Braid	.060	4	1,2,3,4
*300-20F-NO4	20	—	Stranded	*.288	JN Single Conductor	Silicone Impregnated Double Glass Braid	.060	4	1,2,3,4
300-24-304	24	.0201	Solid	.877	Glass Braid	Glass Braid	.047 x .081	4	1■,2■,3
300-24-305	24	.0201	Solid	.877	Glass Wrap	Glass Braid	.043 x .073	4	1■,2■,3
300-24-305/S	24	.0201	Solid	.877	Glass Wrap	Glass Braid/Stainless Braid	.078 x .103	9	1
300-24-505	24	.0201	Solid	.877	Polyvinyl	None-Rip-Cord Construction	.048 x .096	4	—
300-24-508	24	.0201	Solid	.877	Fused Teflon (TFE) Tape	Fused Teflon (TFE) Tape	.047 x .078	5	1■,2■,3
‡ 300-24-511	24	.0201	Solid	.877	Fused Kapton Tape	Twisted	.063	5	1■,2■,3
300-24-513	24	.0201	Solid	.877	Fused Kapton tape	Fused Kapton Tape	.045 x .079	6	1■,2■,3
300-24-305	24	—	Stranded	.829	Glass Wrap	Glass Wrap	.043 x .082		1,2,3,4
300-28-305	28	.0126	Solid	2.216	Glass Wrap	Glass Braid	.036 x .057	3	1■,2■,3■
300-30-304	30	.0100	Solid	3.520	Glass Braid	Glass Braid	.037 x .059	3	1■,2■,3■
300-30-305	30	.0100	Solid	3.520	Glass Wrap	Glass Braid	.033 x .053	3	1■,2■,3■
300-30-506	30	.0100	Solid	3.520	Teflon (FEP) Extruded	Teflon (FEP) Extruded	.030 x .050	4	1■,2■
300-30-513	30	.0100	Solid	3.520	Fused Kapton Tape	Fused Kapton Tape	.038 x .063	4	1■,2■,3
300-30-308	30	.0100	Solid	3.520	Cotton Wrap	Twisted Double Cotton Braid	.085	3	1■,2■

* For Special Limits, use prefix "SL", i.e. SL300-20-304.

£ Overbraid Selection Code

- * Not Color Coded
- ‡ Light Lacquer on duplex only Not color coded
- ‡‡ Both legs have color coded tracer
- † Ohms per double foot at 20°C (68°F)
- May appear loosely braided and oversize

- 1—Stainless Steel Wire Braid S
- 2—Tinned Copper Wire Braid C
- 3—Flat Stainless Steel Ribbon Braid F
- 4—Flat Stainless Steel Spiral Wrap W
- 5—Half Oval Galvanized Steel Spiral Wrap G

To order standard catalog material with overbraid do so by catalog number as follows. Desired: 300-20-305 with flat stainless steel ribbon braid. Specify: Catalog Number 300-20-305-F.

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