

Standard length spools are in 50 ft. increments. Non-standard lengths are available at an extra charge.

Duplex - ASTM/ANSI Type JX

ASTM/ANSI Color Code: Negative wire, red; Positive wire, white; Overall black.

CODE	AWG. GAUGE	CONDUCTOR	INSULATIONS			LIMITS OF ERROR	NOMINAL SIZE (inches)	WEIGHT per 1000 FT. (pounds)
			EACH CONDUCTOR	OUTER JACKET	OVERALL			
J16 - 5 - 157	16	Solid	TFE tape/heavy glass braid	ServTex braid		Std.	0.170 x 0.220	32
J16 - 5 - 502	16	Solid	Polyvinyl	Polyvinyl		Std.	0.111 x 0.188	27
J16 - 5 - 510	16	Solid	Polyvinyl	Twisted alum. Mylar®	PVC	Std.	0.206	28
J18 - 7 - 503	18	Strd.	Polyvinyl	Twisted cotton filler	PVC	Spl.	0.254	35
J20 - 5 - 502	20	Solid	Polyvinyl	Polyvinyl		Std.	0.095 x 0.158	14
J20 - 5 - 510	20	Solid	Polyvinyl	Twisted alum. Mylar®	PVC	Std.	0.170	20
J20 - 7 - 502	20	Strd.	Polyvinyl	Polyvinyl		Std.	0.108 x 0.185	14
J20 - 7 - 510	20	Strd.	Polyvinyl	Twisted alum. Mylar®	PVC	Std.	0.176	24

Duplex - ASTM/ANSI Type KX

ASTM/ANSI Color Code: Negative wire, red; Positive wire, yellow; Overall yellow.

K16 - 5 - 157	16	Solid	Teflon® TFE heavy glass braid	ServTex braid		Std.	0.170 x 0.220	33
K16 - 5 - 303	16	Solid	Enamel glass braid	Glass braid		Std.	0.100 x 0.160	23
K16 - 5 - 502	16	Solid	Polyvinyl	Polyvinyl		Std.	0.111 x 0.188	27
K16 - 5 - 510	16	Solid	Polyvinyl	Twisted alum. Mylar®	PVC	Std.	0.206	28
K20 - 5 - 502	20	Solid	Polyvinyl	Polyvinyl		Std.	0.095 x 0.158	14
K20 - 5 - 510	20	Solid	Polyvinyl	Twisted alum. Mylar®	PVC	Std.	0.170	20
K20 - 7 - 502	20	Strd.	Polyvinyl	Polyvinyl		Std.	0.108 x 0.185	14
K20 - 7 - 503	20	Strd.	Polyvinyl	Twisted cotton filler	PVC	Std.	0.225	35
K20 - 7 - 510	20	Strd.	Polyvinyl	Twisted alum. Mylar®	PVC	Std.	0.198	20

Duplex - ASTM/ANSI Type TX

ASTM/ANSI Color Code: Negative wire, red; Positive wire, blue; Overall blue.

T20 - 5 - 502	20	Solid	Polyvinyl	Polyvinyl		Std.	0.095 x .158	15
T20 - 5 - 510	20	Solid	Polyvinyl	Twisted alum. Mylar®	PVC	Std.	0.170	20

Type J Thermocouple and Extension Wire Conductor Specifications

WIRE GAUGE	CONDUCTOR DIAMETER		OHMS PER DOUBLE FOOT	
	SOLID (inches)	STRANDED (inches)	SOLID (ohms)	STRANDED (ohms)
14	0.0641		0.086	
16	0.0508	0.0600	0.137	0.125
18		0.0490		0.185
20	0.0320	0.0390	0.357	0.343
24	0.0201	0.0250	0.877	0.842
28	0.0126		2.216	
30	0.0100		3.520	

Type K Thermocouple and Extension Wire Conductor Specifications

WIRE GAUGE	CONDUCTOR DIAMETER		OHMS PER DOUBLE FOOT	
	SOLID (inches)	STRANDED (inches)	SOLID (ohms)	STRANDED (ohms)
14	0.0641	0.0760	0.147	0.134
16	0.0508	0.0600	0.233	0.213
20	0.0320	0.0390	0.590	0.538
24	0.0201	0.0250	1.490	1.435
28	0.0126		3.770	
30	0.0100		5.980	
36	0.0050		24.080	

Type T Thermocouple and Extension Wire Conductor Specifications

WIRE GAUGE	CONDUCTOR DIAMETER		OHMS PER DOUBLE FOOT	
	SOLID (inches)	STRANDED (inches)	SOLID (ohms)	STRANDED (ohms)
16	0.0508		0.118	
20	0.0320	0.0390	0.298	0.272
24	0.0201		0.272	
30	0.0100		3.025	
36	0.0050		12.174	

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