

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

Duplex - ASTM/ANSI Type NX

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

CODE	AWG.	CONDUCTOR	INSULATIONS			LIMITS OF ERROR	NOMINAL SIZE (inches)	WEIGHT per 1000 FT. (pounds)
			EACH CONDUCTOR	OUTER JACKET	OVERALL			
N20 - 5 - 502	20	Solid	Polyvinyl	Polyvinyl		Std.	0.111 x 0.188	15

Duplex - ASTM/ANSI Type SX and RX

ASTM/ANSI Color Code: Negative wire, red; Positive wire, black; Overall green; Compensating extension wires for Type R, S thermocouples

S16 - 5 - 157	16	Solid	TFE tape/heavy glass braid	ServTex braid		Std.	0.170 x 0.220	30
S20 - 5 - 304	20	Solid	Glass braid	Glass braid		Std.	0.056 x 0.096	8
S20 - 5 - 502	20	Solid	Polyvinyl	Polyvinyl		Std.	0.095 x 0.158	13
S20 - 5 - 507	20	Solid	Teflon® (FEP) extruded	Teflon® (FEP) extruded		Std.	0.070 x 0.120	13
S20 - 5 - 510	20	Solid	Polyvinyl	Twisted alum. Mylar®	PVC	Std.	0.170	20

Duplex - ASTM/ANSI Type BX

ASTM/ANSI Color Code: Negative wire, red; Positive wire, grey; Overall grey; Compensating extension wires for ANSI Type B thermocouples

B20 - 5 - 304	20	Solid	Glass braid	Glass braid		Std.	0.056 x 0.096	8
---------------	----	-------	-------------	-------------	--	------	---------------	---

Type N Thermocouple and Extension Wire Conductor Specifications

WIRE GAUGE	CONDUCTOR DIAMETER		OHMS PER DOUBLE FOOT	
	SOLID (inches)	STRANDED (inches)	SOLID (ohms)	STRANDED (ohms)
20	0.0320		0.352	
24	0.0201		1.980	

Type S 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	0.0600	0.016	0.014
20	0.0320		0.040	
24	0.0201		0.087	

Type B Thermocouple and Extension Wire Conductor Specifications

WIRE GAUGE	CONDUCTOR DIAMETER		OHMS PER DOUBLE FOOT	
	SOLID (inches)	STRANDED (inches)	SOLID (ohms)	STRANDED (ohms)
20	0.0320		0.069	

Type C Thermocouple and Extension Wire Conductor Specifications

WIRE GAUGE	CONDUCTOR DIAMETER		OHMS PER DOUBLE FOOT	
	SOLID (inches)	STRANDED (inches)	SOLID (ohms)	STRANDED (ohms)
24	0.0201		0.940	

Teflon® and Mylar® are registered trademarks of E. I. du Pont de Nemours and Company