

Thermocouple Wire - Duplex Extension Grade

Iron/Constantan Duplex ANSI Type JX

ANSI Color Code: Positive Wire, White; Negative Wire, Red; Overall, Black



Insulation	Model #	AWG	Type Wire	Insulation		Max. Temp*		Nominal Size	Wt. kg/300m (lb/1000')†
				Conductor	Overall	°F	°C		
Glass	EXGG-J-16	16	Solid	Glass Braid		392	200	.085 x .130	9 (18)
PFA	EXTT-J-16	16	Solid	PFA		392	200	.068 x .152	8 (16)
	EXTT-J-20	20						.068 x .116	4 (9)
	EXTT-J-24	24						.056 x .092	3 (8)
Polyvinyl	EXPP-J-14	14	Solid	Polyvinyl		221	105	.134 x .288	13 (29)
	EXPP-J-16	16	Solid					.123 x .207	10 (22)
	EXPP-J-16S	16	7 X 24					.139 x .226	10 (22)
	EXPP-J-20	20	Solid					.095 x .151	6 (12)
	EXPP-J-20S	20	7 X 28					.123 x .175	6 (12)
	EXPP-J-24S	24	7 X 32					.082 x .134	4 (9)
FEP	EXFF-J-16	16	Solid	FEP		392	200	.086 x .152	8 (16)
	EXFF-J-20	20						.068 x .116	4 (9)
	EXFF-J-24	24						.056 x .092	3 (6)

*Maximum temperature is for extension grade wire or insulation, whichever is lower.

†Weight of spool and wire, rounded up to the next highest lb.



NEWPORT will overbraid any thermocouple wire with Inconel 600, 304 SS or tinned copper overbraiding. Both Inconel 600 and SS add durability and abrasion protection.

Part Number	Description
EXGG-J-16-50	50 foot spool of extension grade thermocouple wire, type J, 16 gage, glass insulation
EXTT-J-24-25	25 foot spool of extension grade thermocouple wire, type J, 24 gage, PFA over PFA insulation
EXPP-J-20S-100	100 foot spool of extension grade thermocouple wire, type J, 20 stranded gage, Polyvinyl insulation
EXFF-J-24-500	100 foot spool of extension grade thermocouple wire, type J, 24 gage, PFA insulation

Part Number Builder

	(1)	(2)	(3)
EX	GG	-J- 16	- 25

Option Descriptions

(1) Insulation

Select

GG for Glass

TT for Neoflon PFA

PP for Polyvinyl

FF for Neoflon FEP

(2) Wire Gauge

Select

16 for 16 AWG (Avail GG TT PP FF)

20 for 20 AWG (Avail TT PP FF)

24 for 24 AWG ((Avail TT PP FF)

14 for 14 AWG (PP Only)

16S for 16 AWG Stranded (PP Only)

20S for 20 AWG Stranded (PP Only)

24S for 24 AWG Stranded (PP Only)

(3) Spool Length in Feet

Select

25 for 25 Ft

50 for 50 Ft

100 for 100 Ft

200 for 200 Ft

500 for 500 Ft

1000 for 1000 Ft

NOTE: All combinations may not be valid, check spec sheet for valid part numbers.