

## 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.