

## PRODUCT SPECIFICATION

**TYPE:** Ethylene Propylene Insulated  
 Nitrile Butadiene/Polyvinyl Chloride Jacketed  
 Thermocouple Extension Cable

**SIZE:** 18 AWG, 2 to 4 Conductors

### I. SCOPE:

This specification covers the construction requirements for a thermocouple cable rated for uses at conductor temperatures to 90 °C.

Construction consists of one or two stranded uncoated copper conductor(s) and one or two stranded alloy conductor(s) all insulated with ethylene propylene rubber. The insulated conductors are cabled together with jute fillers, as necessary, cotton wrapped, and jacketed overall with green nitrile butadiene/polyvinyl chloride.

### II. CONSTRUCTION DATA:

Size (AWG)	Strand	Number of Conductors	Insulation Thickness (mils)	Jacket Thickness (mils)	Nominal OD (mils)	Nom. Weight (lbs/Mft)
18	16	2	30	78	390	79
18	16	4	30	50	400	91

#### A. CONDUCTOR:

Uncoated oxygen free high conductivity copper and alloy 11. An opaque Mylar tape is applied over each conductor.

#### B. INSULATION:

Ethylene propylene conforming to UL class 45 EPDM.

#### D. COLOR CODE:

Insulation color is black and green for the copper conductors and red and white for the alloy 11 conductors.

#### E. CABLE ASSEMBLY:

Insulated conductors are cabled together with jute fillers and with a suitable lay.

#### E. SEPARATOR:

A cotton serve is wrapped helically over the cabled assembly.

#### F. JACKET:

Green nitrile butadiene/polyvinyl chloride conforming to UL Class 41 NBR/PVC.

#### G. PRINT LEGEND

18 AWG 4/C (2/C+2/ALLOY) EPR THERMOCOUPLE