



## ELECTROPLAST® UNIVERSAL COMPOUNDING LLP

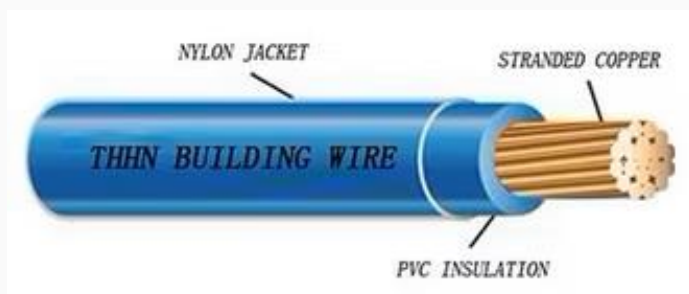
### TECHNICAL DATA SHEET (EP-06 THHN JACK)

**Description:** EP-06 is a Thermoplastic High Heat-Resistant Nylon for jacketing applications in a wide variety of cables. EP-06 offers protection against abrasion, moisture, and heat to the cable as jacket. EP-06 is typically rated for a maximum conductor temperature of 90°C in dry locations and 75°C in wet locations. EP-06 cable jacket protects the PVC insulation from abrasion and damage during installation and use.

**Specifications:** UL 83, 1063.

#### Typical Properties:

Property	Unit	Test Method	Test Condition	Specification
Relative Viscosity	-	96% H <sub>2</sub> SO <sub>4</sub>	25 °C	3.3
Extractable	%	-	-	<0.6
Moisture content	ppm	Karl Fischer	-	<1000
Tensile Strength	kg/cm <sup>2</sup>	ASTM D-638	23 °C	700
Flexural Strength	kg/cm <sup>2</sup>	ASTM D-790	23 °C	960
Flexural Modulus	kg/cm <sup>2</sup>	ASTM D-790	23 °C	22000
Izod Impact Strength	kg-cm/cm	ASTM D-256	1/8"bar	5.0
Heat Deflection	°C	ASTM D-648	Unannealed 18.6 kg/cm <sup>2</sup> 1/4"bar	58
Specific Gravity	-	ASTM D-792	23°C/23°C	1.1~1.3
Shrinkage	%	ASTM D-955	23°C/23°C	1.1~1.8



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