

TECHNICAL DATA SHEET LOW VOLTAGE THHN BUILDING WIRE

Cable Description:

12 AWG CU/PVC (THHN)

Design and Construction Data:		
		Amorican Designation
Reference Manufacturing Standards Max. Permissible Continuous Conductor Temp	°C	American Designation 105
Max. Conductor Short Circuit Temp for 5 Seconds	°C	150
	V	
Rated Voltage Conductor Size		600
	AWG	12
Number of wires per conductor		19
Wires Combination		Round Wires Unilay-Stranded
Insulation Material		Polyvinyl Chloride (PVC)
Nominal Insulation Thickness	mm	0.38
Insulation Color		WHITE
Outer Nylon Jacket		Polyamide Nylon
Approximate Wire Overall Diameter	mm	3.2
Electrical Data:		
Max Conductor DC resistance @ 20 °C	ohms/km	5.4300
Max Conductor AC resistance @ 105 °C	ohms/km	7.2440
Max Conductor Short Circuit Current @ 1 Second	kA	0.2639
Current Carry Capacity @ 30 °C Ambient Temperature ⁽¹⁾		
Single-Insulated Conductor		
Laid in free air	A	40
Not more than three Current-Carrying Conductors ⁽²⁾		
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