



Southwire®



Southwire
**CABLETECH
SUPPORT™**
Services



Aluminum SIMpull® THHN and XHHW *Product Overview and Comparison*



THHN/THWN-2	XHHW-2
T: Thermoplastic (non-crosslinked)	X: Crosslinked Polyethylene (XLPE)
H: Heat-Resistant	H: Heat-Resistant
HH: High Heat-Resistant	HH: High Heat-Resistant
W: Water-Resistant	W: Water-Resistant
N: Nylon-Jacketed	---
-2 RATING:	
Maximum Normal Operating Temperature of the Conductor: 90°C under Wet & Dry Conditions	

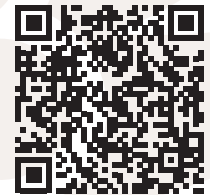


UL TYPE	THHN/THWN-2	XHHW-2
Chemistry	Thermoplastic or Non-Crosslinked	Thermoset or Crosslinked
Raw Material	Nylon Jacket (or Covering) over PVC Insulation	Crosslinked Polyethylene (XLPE)
Cost	Lower Cost	Higher Cost
Chemical Resistance	Good	Better
Cold Weather Installation	-10°C	-40°C
Maximum Short Circuit Temperature	150°C	250°C

APPLICATIONS	THHN/THWN-2	XHHW-2
Residential	✓	✓
Commercial	✓	✓
Data Centers	✓	✓
Oil and Gasoline Resistant	✓	✓
Wet Locations	✓	✓
In Conduit	✓	✓
600V Applications	✓	✓
1000V Applications		✓
Critical circuits ex: healthcare facility		✓
Closer to maximum thermal ratings (operating, short-circuit, emergency overload)		✓
Lower installation temperatures ex: severe winter weathers		✓
Chemical exposures (moisture, oil, paint, spray foam, etc.)		✓
Environmental & safety compliant - Halogen-free		✓
Nom / ANCE Compliant		✓



Scan to access our AL THHN/THWN-2 spec sheet



Scan to access our AL XHHW-2 spec sheet