Insulation Letter Codes

Trade Name	Type Letter	Maximum Operating Temp.	Application Provisions	Insulation	AWG	Outer Covering
Heat resistant thermoplastic	THHN	90° C (194°F)	Dry and damp locations	Flame retardant, heat resistant thermoplastic	14 through 1,000 kcmil	Nylon jacket or equivalent
Moisture and heat resistant thermoplastic	THHW	75° C (167°F) 90° C (194°F)	Wet location Dry location	Flame retardant, moisture and heat resistant thermoplastic	14 through 1,000 kcmil	None
Moisture and heat resistant thermoplastic	THWN Note: If marked THWN-2, OK for 90° C (194°F) in dry or wet locations	75° C (167°F)	Dry and wet locations	Flame retardant, moisture and heat resistant thermoplastic	14 through 1,000 kcmil	Nylon Jacket or equivalent
Moisture and heat resistant thermoplastic	THW Note: If marked THW-2, OK for 90° C (194°F) in dry or wet locations	75° C (167°F)	Dry and wet locations	Flame retardant, moisture and heat resistant thermoplastic	14 through 2,000 kcmil	None
Underground feeder and branch circuit single conductor or multi-conductor cable	UF	60° C (140°F) 75° C (167°F)	*See Article 339* *See Article 339*	Moisture resistant Moisture resistant	14 through 4/0	Integral with insulation

Source: NEC