

Δ **TABLE 310.4(1)** *Continued*

Trade Name	Type Letter	Maximum Operating Temperature	Application Provisions	Insulation	Thickness of Insulation			Outer Covering <sup>1</sup>
					AWG or kcmil	mm	mils	
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	14–10	0.76	30	None
					8	1.14	45	
					6–2	1.52	60	
					1–4/0	2.03	80	
					213–500	2.41	95	
					501–1000	2.79	110	
					1001–2000	3.18	125	
Moisture- and heat-resistant thermoplastic	THW	75°C (167°F)  90°C (194°F)	Dry and wet locations  Special applications within electric discharge lighting equipment. Limited to 1000 open-circuit volts or less. (Size 14–8 only as permitted in 410.68.)	Flame-retardant, moisture- and heat-resistant thermoplastic	14–10	0.76	30	None
					8	1.14	45	
					6–2	1.52	60	
					1–4/0	2.03	80	
					213–500	2.41	95	
					501–1000	2.79	110	
					1001–2000	3.18	125	
	THW-2	90°C (194°F)	Dry and wet locations					
Moisture- and heat-resistant thermoplastic	THWN	75°C (167°F)	Dry and wet locations	Flame-retardant, moisture- and heat-resistant thermoplastic	14–12	0.38	15	Nylon jacket or equivalent
					10	0.51	20	
					8–6	0.76	30	
					4–2	1.02	40	
	THWN-2	90°C (194°F)			1–4/0	1.27	50	
					250–500	1.52	60	
					501–1000	1.78	70	
Moisture-resistant thermoplastic	TW	60°C (140°F)	Dry and wet locations	Flame-retardant, moisture-resistant thermoplastic	14–10	0.76	30	None
					8	1.14	45	
					6–2	1.52	60	
					1–4/0	2.03	80	
					213–500	2.41	95	
					501–1000	2.79	110	
					1001–2000	3.18	125	
Underground feeder and branch-circuit cable — single conductor (for Type UF cable employing more than one conductor, see Part II of Article 340).	UF	60°C (140°F)  75°C (167°F) <sup>4</sup>	See Part II of Article 340.	Moisture-resistant	14–10	1.52	60 <sup>5</sup>	Integral with insulation
					8–2	2.03	80 <sup>5</sup>	
					1–4/0	2.41	95 <sup>5</sup>	
				Moisture- and heat-resistant				
Underground service-entrance cable — single conductor (for Type USE cable employing more than one conductor, see Part II of Article 338).	USE	75°C (167°F) <sup>4</sup>	See Part II of Article 338.	Heat- and moisture-resistant	14–10	1.14	45	Moisture-resistant nonmetallic covering (See 338.2.)
					8–2	1.52	60	
					1–4/0	2.03	80	
					213–500	2.41	95 <sup>6</sup>	
					501–1000	2.79	110	
					1001–2000	3.18	125	
	USE-2	90°C (194°F)	Dry and wet locations					

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