

CONDUCTOR APPLICATION

Trade Name	Type Letter	Max Operating Temperature	Application Provisions
Rubber-Covered Fixture Wire Solid or 7-Strand	*RF-1	60°C / 140°F	Fixture wiring. Limited to 300V.
	*RF-2	60°C / 140°F	Fixture wiring, and as permitted in Section 310-8
Rubber-Covered Fixture Wire Flexible Stranding	*FF-1	60°C / 140°F	Fixture wiring. Limited to 300V.
	*FF-2	60°C / 140°F	Fixture wiring, and as permitted in Section 310-8
Heat-Resistant Rubber Covered Fixture Wire Solid or 7-Strand	*RFH-1	75°C / 167°F	Fixture wiring. Limited to 300V.
	*RFH-2	75°C / 167°F	Fixture wiring, and as permitted in Section 310-8
Heat-Resistant Rubber Covered Fixture Wire Flexible Stranding	*FFH-1	75°C / 167°F	Fixture wiring. Limited to 300V.
	*FFH-2	75°C / 167°F	Fixture wiring, and as permitted in Section 310-8
Thermoplastic Covered Fixture Wire Solid or Stranded	*TF	60°C / 140°F	Fixture wiring, and as permitted in Section 310-8 and for circuits as permitted in Article 725
Thermoplastic Covered Fixture Wire Flexible Stranding	*TFF	60°C / 140°F	Fixture wiring, and as permitted in Section 310-8 and for circuits as permitted in Article 725
Cotton Covered Heat Resistant Fixture Wire	*CF	90°C / 194°F	Fixture wiring. Limited to 300V.
Asbestos Covered Heat Resistant Fixture Wire	*AF	150°C / 302°F	Fixture wiring. Limited to 300V and indoor Dry Location.
Silicone Rubber Insulated Fixture Wire Solid or 7 Strand	*SF-1	200°C / 392°F	Fixture wiring. Limited to 300V.
	*SF-2	200°C / 392°F	Fixture wiring, and as permitted in Section 310-8
Silicone Rubber Insulated Fixture Wire Flexible Stranding	*SFF-1	150°C / 302°F	Fixture wiring. Limited to 300V.
	*SFF-2	150°C / 302°F	Fixture wiring, and as permitted in Section 310-8
Code Rubber	R	60°C / 140°F	Dry locations
Heat-Resistant Rubber	RH	75°C / 167°F	Dry locations
Heat-Resistant Rubber	RRH	90°C / 194°F	Dry locations
Moisture Resistant Rubber	RW	60°C / 140°F	Dry and wet locations. For over 2000 volts, insulation shall be ozone-resistant.
Moisture and Heat Resistant Rubber	RH-RW	60°C / 140°F	Dry and wet locations. For over 2000 volts, insulation shall be ozone-resistant.
		75°C / 167°F	Dry locations. For over 2000 volts, insulation shall be ozone-resistant.
Moisture and Heat Resistant Rubber	RHW	75°C / 167°F	Dry and wet locations. For over 2000 volts, insulation shall be ozone-resistant.
Latex Rubber	RU	60°C / 140°F	Dry locations
Heat Resistant Latex Rubber	RUH	75°C / 167°F	Dry locations
Moisture Resistant Latex Rubber	RUW	60°C / 140°F	Dry and wet locations.
Thermoplastic	T	60°C / 140°F	Dry locations
Moisture Resistant Thermoplastic	TW	60°C / 140°F	Dry and wet locations.
Heat Resistant Thermoplastic	THHN	90°C / 194°F	Dry locations
Moisture and Heat Resistant Thermoplastic	THW	75°C / 167°F	Dry and wet locations.
Moisture and Heat Resistant Thermoplastic	THWN	75°C / 167°F	Dry and wet locations.
Thermoplastic and Asbestos	TA	90°C / 194°F	Switchboard wiring only.
Thermoplastic and Fivrous Outer Braid	TBS	90°C / 194°F	Switchboard wiring only.
Synthetic Heat-Resistant	SIS	90°C / 194°F	Switchboard wiring only.
Mineral Insulation (Metal Sheathed)	MI	85°C / 185°F	Dry and wet locations with Type O termination fitting. Max. Operating Temperature for special application 125°C
Silicone-Asbestos	SA	90°C / 194°F	Dry locations - max. operating temperature for special application 125°C
Fluorinated Ethylene Propylene	FEP or	90°C / 194°F	Dry locations
	FEPB	200°C / 392°F	Dry locations -- special applications
Varnished Cambric	V	85°C / 185°F	Dry locations only. Smaller than No. 6 by special permission.
Asbestos and Varnished Cambric	AVA	110°C / 230°F	Dry locations only.
Asbestos and Varnished Cambric	AVL	110°C / 230°F	Dry and wet locations.
Asbestos and Varnished Cambric	AVB	90°C / 194°F	Dry locations only.
Asbestos	A	200°C / 392°F	Dry locations only. In raceways, only for leads to or within apparatus. Limited to 300V.
Asbestos	AA	200°C / 392°F	Dry locations only. Open wiring. In raceways, only for leads to or within apparatus. Limited to 300V.
Asbestos	AI	125°C / 257°F	Dry locations only. In raceways, only for leads to or within apparatus. Limited to 300V.
Asbestos	AIA	125°C / 257°F	Dry locations only. Open wiring. In raceways, only for leads to or within apparatus.
Paper		85°C / 185°F	For underground service conductors, or by special permission.

*Fixture wires are not intended for installation as branch circuit conductors nor for the connection of portable or stationary appliances