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Copper Wire Fiber Insulations

For use as a guideline only.

Nomex® is a registered trademark of DuPont.

Insulation	Recommended Maximum Operating Temperature	AWG Sizes Available	Advantages	Limitations
Nylon	155°C	3 - 44	<ul style="list-style-type: none"> - Abrasion Resistant - Good space factor - Solderable 	<ul style="list-style-type: none"> - Not recommended for ultimate minimum fiber wall.
Celanese	130°C	3 - 44	<ul style="list-style-type: none"> - Excellent RF Value - Chemically Soluble 	<ul style="list-style-type: none"> - Poor abrasion resistance. - Not elastic - Solderable
Cotton	105°C	8 - 40	<ul style="list-style-type: none"> - Abrasion Resistant - Good, low-cost serving 	<ul style="list-style-type: none"> - Space factor inferior to nylon, silk, or celanese. - Non-solderable.
Nomex®	200°C	8 - 40	<ul style="list-style-type: none"> - Excellent electrical properties at high temperatures. - Good space factor 	<ul style="list-style-type: none"> - Non-Solderable. - Higher cost, compared to other available fibers.
Polyester/Dacron	155°C	8 - 40	<ul style="list-style-type: none"> - Excellent electrical properties at high temperatures. 	<ul style="list-style-type: none"> - Space factor inferior to nylon, silk, or celanese. - Solderable.

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