

## TECHNICAL DATA

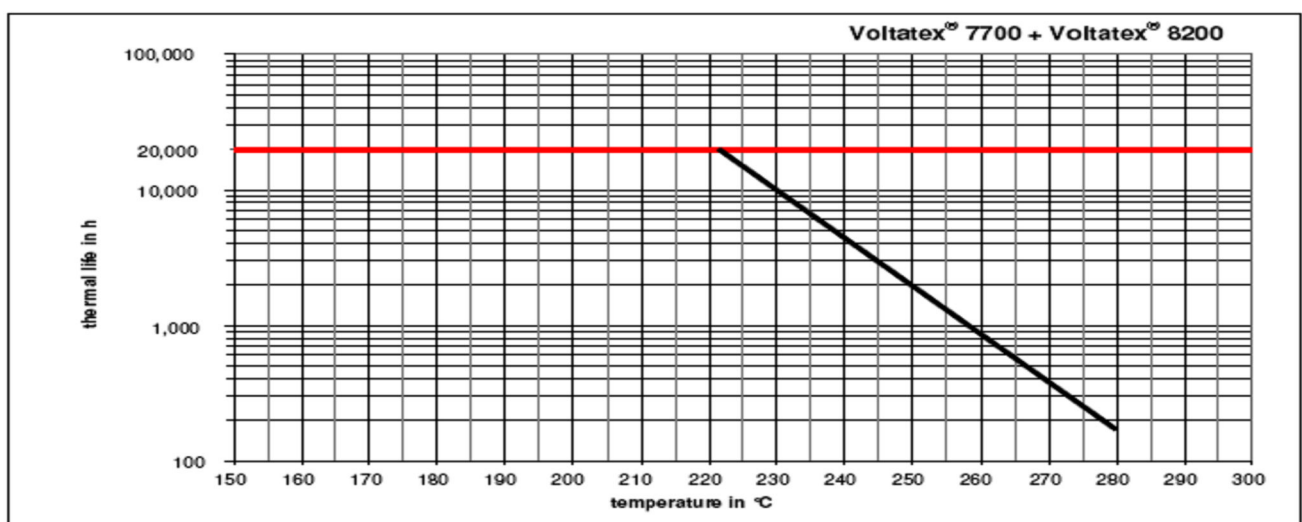
## VOLTRON® ROUND - High Temperature Enamelled Copper Wire

### APPLICATIONS

Applications where resistance to corona & partial discharges as they occur is required, including inverter controlled electric motors, wind turbine generators, transformers & high voltage rectifiers.

### PROPERTIES

Temperature class, ASTM D 2307	222°C
Enamel - Base coat	Voltatex® 7700 THIEC Modified Polyesterimide
Enamel - Top coat	Voltatex® 8200 Polyamideimide
Diameters	0.200 - 6.000mm
Grades	G2
Colours	Natural
Heat shock	> 200°C
Solderability	Non solderable
Cut through:	
Measured	> 380°C
Tested	> 390°C
Chemical resistance	Good
Dissipation factor tan $\delta$ intersection point	> 186°C
Lifetime on freefrequency inverter at 155°C 19kHz, 2.4kV P-P; increase in dia 80 $\mu$ m	> 350h
Flexibility & adherence, mandrel test 1 x d with pre-stretching of	15%
Abrasion resistance, medium force	11.8N
Abrasion resistance, minimum force	10.5N
Resistance to solvents, pencil hardness:	
As delivered	7 - 8 H
IEC standard solvent	7 - 8 H
UL Approval	UL File E102069
Standards (Packaging)	IEC 60264



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