

3M™ ACCR Conductor Information Request

Please fill in as much of the following information as you can and return to the address or fax below.

Contact Information

Name:		Company:	
Address:		Today's Date:	
City:	State:	ZIP code:	
Phone:	Fax:	Email:	

Existing Conductor Information

Name of line:		Number of circuits:		Expected Project Date:	
Number of conductors per phase:			Type of structure (wood pole, steel lattice etc):		
Line length: <input type="checkbox"/> km <input type="checkbox"/> miles			Voltage: kV		
Conductor name:			Stranding:		Type (ACSR, ACSS etc.):
Conductor area: <input type="checkbox"/> mm ² <input type="checkbox"/> kcmil		Diameter: <input type="checkbox"/> mm <input type="checkbox"/> in		Strength: <input type="checkbox"/> lbs <input type="checkbox"/> Kgf <input type="checkbox"/> kN	
Max wire temp: Continuous: <input type="checkbox"/> °C <input type="checkbox"/> °F		Emergency: <input type="checkbox"/> °C <input type="checkbox"/> °F			
Ampacity per conductor Continuous:		Emergency:		Emergency temperature ruling span sag: <input type="checkbox"/> m <input type="checkbox"/> ft	

Installed Condition of Existing Conductor

Ruling span: <input type="checkbox"/> m <input type="checkbox"/> ft		Critical span width: <input type="checkbox"/> m <input type="checkbox"/> ft		Critical span incline: <input type="checkbox"/> m <input type="checkbox"/> ft	
Everyday/install temperature: <input type="checkbox"/> °C <input type="checkbox"/> °F			Installed tension: <input type="checkbox"/> kgf <input type="checkbox"/> kn <input type="checkbox"/> lbs		

Ampacity Conditions

Air temp: <input type="checkbox"/> °C <input type="checkbox"/> °F		Wind velocity: <input type="checkbox"/> m/s <input type="checkbox"/> ft/s		Conductor elevation: <input type="checkbox"/> m <input type="checkbox"/> ft	
Emissivity:		Absorptivity:		Conductor latitude:	
Conductor direction:		Day of year and time:		Solar flux: <input type="checkbox"/> w/m ² <input type="checkbox"/> w/ft ²	

Design Limits and Environmental Conditions

Maximum allowed ruling span sag: <input type="checkbox"/> m <input type="checkbox"/> ft		Maximum allowed critical span sag: <input type="checkbox"/> m <input type="checkbox"/> ft			
Max horizontal tension: <input type="checkbox"/> kgf <input type="checkbox"/> kn <input type="checkbox"/> lbs		Max tension % of RBS:			
Condition 1 Name:			Allowed tension (% breaking Strength):		
Air temp: <input type="checkbox"/> °C <input type="checkbox"/> °F		Wind pressure: <input type="checkbox"/> Pa <input type="checkbox"/> Lbs/ft ² <input type="checkbox"/> MPH			
Ice thickness: <input type="checkbox"/> mm <input type="checkbox"/> in		NESC load factor: <input type="checkbox"/> N/m <input type="checkbox"/> lbs/ft			
Condition 2 Name:			Allowed tension (% breaking Strength):		
Air temp: <input type="checkbox"/> °C <input type="checkbox"/> °F		Wind pressure: <input type="checkbox"/> Pa <input type="checkbox"/> Lbs/ft ² <input type="checkbox"/> MPH			
Ice thickness: <input type="checkbox"/> mm <input type="checkbox"/> in		NESC load factor: <input type="checkbox"/> N/m <input type="checkbox"/> lbs/ft			
Condition 3 Name:			Allowed tension (% breaking Strength):		
Air temp: <input type="checkbox"/> °C <input type="checkbox"/> °F		Wind pressure: <input type="checkbox"/> Pa <input type="checkbox"/> Lbs/ft ² <input type="checkbox"/> MPH			
Ice thickness: <input type="checkbox"/> mm <input type="checkbox"/> in		NESC load factor: <input type="checkbox"/> N/m <input type="checkbox"/> lbs/ft			

Design Goals

Increase ampacity <input type="checkbox"/>		Goal:		Decrease sag <input type="checkbox"/>		Goal:	
Notes:				Please return completed form to: Anton Jachim 3M High Capacity Conductors, Electrical Markets Division 3M Center 251-2A-30 St. Paul, MN 55144 Phone: 651-733-5730 Fax: 651-736-0431 ajachim@mmm.com			

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