THE INSULATED WIRE CONDUCTOR

More power carried by reducing the skin effect in the cable conductor

A Cost-Effective Solution

For the past 15 years, the Nexans EHV Insulated Wire Conductor has proven itself as a superior and dependable product.

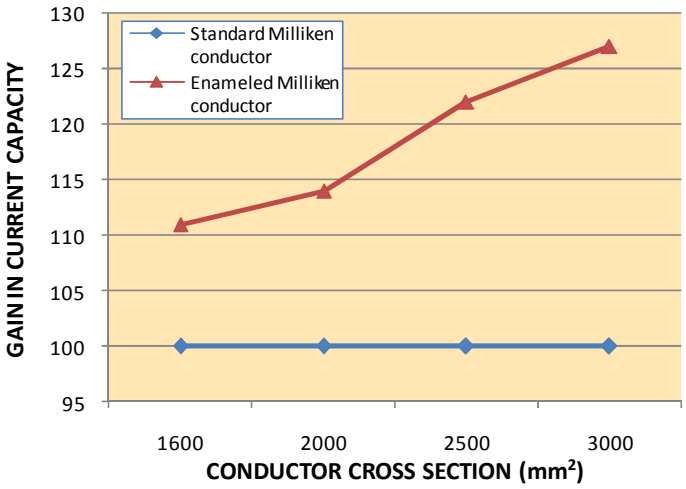
Here's why...

The 'skin effect' is the concentration of the electric current at the periphery of the conductors. As a result of this phenomenon, the effective AC resistance and Joule losses increase.

In a Milliken (segmental) conductor design, the skin effect can be reduced by insulating individual wires.

Using an insulated wire design adds approximately an entire conductor cross-section to a standard design with only bare copper wires.

i.e. A 2500 mm^2 (approx. 5000 kcmil) insulated wire conductor can carry as much current as a 3000 mm^2 (approx. 6000 kcmil) non-insulated wire conductor.



ASK US ABOUT THIS EXISTING ALTERNATIVE DESIGN FOR YOUR NEXT PROJECT!

Global Reference List for Enameled Wire Conductor

Year	Project	Country	Max Voltage (kV)	Conductor (mm2)	Conductor (kcmil)*	Total length (m)
2011	Transco N-7055 - Prysmian Abu Dhabi	UAE	420	2500 CU (I)	5000 CU	70,000
2010	DEWA - Mamzar - Mushriff	UAE	420 (500)	2500 CU (I)	5000 CU	58,500
2003	ADWEA - Abu Dhabi Island Interconnector	UAE	420	2500 CU (I)	5000 CU	37,500
2006	AREVA - Gulf Interconnection	UAE	420	2000 CU (I)	4000 CU	8,167
2008	EDF Energy - P/P West Burton	UK	420	2500 CU (I)	5000 CU	5,600
1999	EDF - INCA	France	420	2000 CU (I)	4000 CU	400
2011	RTE - PACA	France	245	2000 CU (I)	4000 CU	59,000
2008	REE - La Cereal Tre Cantos	Spain	245	2500 CU (I)	5000 CU	22,940
2003	Alstom - Dunkerque (DK3)	France	245	2000 CU (I)	4000 CU	18,500
2011	RTE - PACA	France	245	2500 CU (I)	5000 CU	16,000
2007	REE - Loeches	Spain	245	2500 CU (I)	5000 CU	1,650
2006	REE - El Palmar	Spain	245	2500 CU (I)	5000 CU	1,305
2006	REE - Puerto Real	Spain	245	2500 CU (I)	5000 CU	876
2005	REE - Fausita	Spain	245	2500 CU (I)	5000 CU	840

*approx

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