



ICEA STANDARD FOR

THERMOPLASTIC INSULATED AND JACKETED
TELECOMMUNICATIONS STATION WIRE FOR
INDOOR/OUTDOOR USE

TECHNICAL REQUIREMENTS

Approved by

AMERICAN NATIONAL STANDARDS INSTITUTE

April 23, 2009

Publication # ANSI/ICEA S-100-685-2009

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INSULATED CABLE ENGINEERS ASSOCIATION, Inc.

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Published By
INSULATED CABLE ENGINEERS ASSOCIATION, INC.

P. O. Box 1568
Carrollton, Georgia 30112, USA

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Approved May 9, 2008 by
Insulated Cable Engineers Association, Inc.

Approved April 23, 2009 by
American National Standards Institute

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The user of this Standard is cautioned to observe any applicable health or safety regulations and rules relative to the manufacture and use of wire made in conformity with this Standard. This Standard hereafter assumes that manufacture, testing, installation, and maintenance of wires defined by this Standard will be performed only by properly trained personnel using suitable equipment and employing appropriate safety precautions.

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ACRONYMS, ABBREVIATIONS AND SYMBOLS

ANSI	American National Standards Institute
ASTM	American Society for Testing and Materials
AWG	American Wire Gauge
°C	Degrees of Temperature, Celsius scale, Centigrade
CM	UL Listing designation for General Purpose Communication Cable
CMG	UL Listing designation for General Purpose Communication Cable
CMR	UL Listing designation for Riser Communication Cable
CMX	UL Listing designation for Communication Cable, Limited Use, Dwellings and Raceways
dc	Direct Current
EIA	Electronic Industries Alliance
ELFEXT	Equal Level Far-End Crosstalk
FCC	Federal Communications Commission
f	Variable representing any frequency in the applicable range
°F	Degrees of Temperature, Fahrenheit scale
ft	foot or feet
ICEA	Insulated Cable Engineers Association
in	inch
ISO	International Organization for Standardization
lb	pounds
lbf	pounds of force
NEXT	Near-End Crosstalk
NFPA	National Fire Protection Association
NIST	National Institute of Standards and Technology
ns	nanoseconds
pF	picofarad
P-P ELFEXT	Pair-To-Pair Equal Level Far-End Crosstalk
P-P NEXT	Pair-To-Pair Near-End Crosstalk
PS ELFEXT	Power Sum Equal Level Far-End Crosstalk
PS NEXT	Power Sum Near-End Crosstalk
psi	pounds per square inch
PVC	Polyvinyl chloride
SRL	Structural Return Loss
UL	Underwriters Laboratories
°	degrees symbol, angle
α	Attenuation

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