

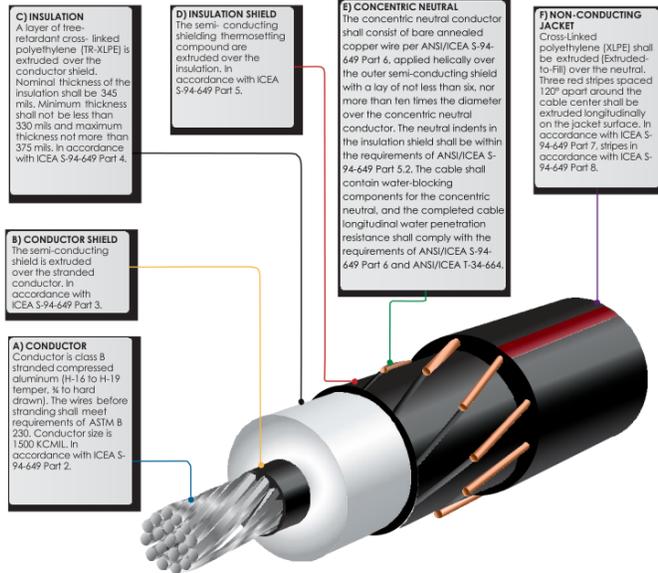
DOCKETED	
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Description:	N/A
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Typical Wind Farm Underground Collection Cable Types and Loadings

35kV Jacketed Concentric Neutral Cable:

Conductor: aluminum

Concentric neutral wires: copper



TESTING:

Cable shall be tested as described in Parts 9 and 10 of ICEA S-94-649 and part G of AIEC CS8. Corresponding production tests shall be done in accordance with ICEA T-27-581, ICEA T-28-562, ICEA T-24-380, and ICEA T-31-610. Factory test reports are available upon request.

TEMPERATURE RATINGS:

- Conductor maximum continuous temperature = 105°C
- Emergency temperature = 140°C
- Storing & working temperature range = -40...+105°C
- Installation & handling temperature = -10...+40°C

Conductor Size	Material	Concentric Neutral	Typical Maximum Current Loading (A)
1/0	Aluminum	16 x #14 AWG Cu	158
4/0	Aluminum	16 x #14 AWG Cu	236
500 kcmil	Aluminum	19 x #14 AWG Cu	377
750 kcmil	Aluminum	19 x #14 AWG Cu	458
1000 kcmil	Aluminum	22 x #14 AWG Cu	500
1250 kcmil	Aluminum	22 x #14 AWG Cu	597

Typical Wind Farm Underground Collection Cable Installation

