

Cable Limits for Three-Phase Pad-Mounted Transformers

75 – 300 kVA Transformers	Maximum 5 runs of 500 MCM AL/CU conductor. Connected by two-hole NEMA compression lugs.
500-2000 kVA Transformers	Maximum 8 runs of 750 MCM AL/CU conductor. Connected by two-hole NEMA compression lugs.
3000 kVA Transformer	Maximum 12 runs of 750 MCM AL/CU conductor. Connected by two-hole NEMA compression lugs

NOTE: The member shall provide an additional 10' of cable for transformers installed on vaults to accommodate transformer replacements or upgrades. CORE will supply two-hole NEMA compression lugs.

Voltages

CORE offers their members the voltages shown in the table below.

Service Type	Voltage
Single-phase	120/240V, 3-wire*
Three-phase	120/208V, 4-wire 277/480V, 4-wire
Primary Single-Phase	7200V, 3-wire
Primary Three-Phase	7200/12470V, 4-wire

*Available for loads to a maximum demand of 100kW. Larger loads may be served, if determined feasible by a CORE engineer. All motors must be rated at 10 HP or less.

Cable Limits for Single-Phase Pad-Mounted Transformers

Seven (7) runs is the maximum number of secondary conductors allowed for single-phase transformer installations with a maximum conductor size being 350 MCM. The member shall provide an additional 10' of cable for transformers installed on vaults to accommodate transformer replacements or upgrades.

Fault Current Levels and Standard KVA Size Transformers

The most used transformers installed by CORE are shown in the tables below. Tables also show the maximum available short-circuit current at the transformer's secondary connection point.