EFC CT1-09ET

APPLICATIONS
• Southwire’s EFC Envirotect™ EFC CT1-09ET Type MV-105 Cable is part of Southwire’s Environmentally Friendly Cable (EFC) family of products.
• For use in aerial, direct burial, cable trays, conduit, and underground duct installations as permitted by the National Electrical Code.
• Cable is sunlight-resistant, suitable for direct burial, and listed for cable trays uses in sizes AWG 1/0 and larger
• Cables are capable of operating continuously at a conductor temperature not in excess of 105°C for normal operation, 140°C for emergency overload conditions, and 250°C for short circuit conditions, and are rated at 5kV, 133% insulation level (ungrounded system) and 8kV, 100% insulation level (grounded system).

CONSTRUCTION DETAILS
• Conductors are Class B compressed soft or annealed copper in accordance with ASTM specs B3 and B8 and ICEA Part 2, Section 2.1 and 2.5
• Conductor is shielded with an extruded semi-conducting thermosetting polymeric layer over the conductor applied in tandem with and firmly bonded to the insulation
• Insulation is no lead natural color EPR with a nominal thickness of 0.115"
• Insulation is shielded with an extruded layer of semi-conducting thermosetting material which shall be identified as being semi-conducting. Over this layer is a helically-wrapped 5-mil copper tape with 25% overlap
• Jacket is black sunlight resistant no-lead PVC conforming to the requirements specified in ICEA.
• Cable is printed on the jacket for identification

SPECIFICATIONS
Southwire CT1-09ET Type MV-105 Cable is manufactured and tested in accordance with the latest revisions of the following standards and specifications:
• UL 1072
• UL 1685
• ICEA S-93-639 (NEMA WC 74)
• ICEA S-97-682 (when requested)
• IEEE 1202

OPTIONS
• Available with no-lead LSZH Solonon® jacket
<table>
<thead>
<tr>
<th>Stock Number</th>
<th>Size</th>
<th>Conductor Diameter</th>
<th>0.115” Insulation Diameter</th>
<th>Extruded Insulation Shield Diameter</th>
<th>Jacket Thickness</th>
<th>Approx. Overall Diameter</th>
<th>Approx. Net Weight</th>
<th>Lb/Mft</th>
<th>kg/km</th>
<th>Duct in Air</th>
<th>Allowable Ampacities+</th>
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<tbody>
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* Minimum diameter per ASTM standard.

**± 0.030

*** ± 0.050

* Ampacities are based on the NEC®, 2008 Edition. Duct ampacities are based on Table 310-77 three conductors in one underground duct, 105°C conductor, 20°C earth ambient temperature. Conduit in air ampacities are based on Table 310-73 three cables in isolated conduit in air, 105°C conductor, 40°C ambient temperature.