Central Office/Telecom Power Cable

600 Volts, Copper Conductor
Class I Flexible Strand Without Braid
CSA Approved, Non-Halogen Insulation
8 AWG Thru 750 KCMIL - Single Conductor

Applications
TelcoFlex® II Central Office Power Wire and Cable Class I Flexible Tinned Strand Without Braid. The Cable has low-smoke, lead-free and silicone-free non-halogenated insulation. UL Central Office Power Cable 105°C dry, 60°C wet. UL Listed RHH/LS FT4 and VW-1, 90°C dry, 60°C wet. 600 volts. Sizes 1/0 and larger are UL, CT USE rated. CSA AWM I B 105°C, 600 volts.

Specifications
Southwire’s TelcoFlex® II meets or exceeds the following:
- UL Listed As: Central Office Power Cable
- UL Listed Standard 44: Thermoset Insulated Type RHH/ST1
- FT-4 Flame Test
- VW-1
- ASTM B-33 and B172 for Flexible Strand
- Physical and Electrical tests in accordance with UL Standard 44 Requirements
- CSA AWM I B 105°C
- GR - 347 - Core Compliant by Telcordia
- Meets the Requirements of WP93811 for Cold Flow (Creep) and Cut Through
- Non-Halogen
- Low Smoke - LS
- IEC 60674 and 60332
- RoHS / Reach Compliant

Construction
Southwire’s TelcoFlex® II Cable is single conductor with a class I (modified) bunched (8 and 6 AWG) and rope-bunched (4 AWG and larger) stranded tinned copper conforming to ASTM B-33 and Underwriter’s Laboratories requirements. An opaque mylar tape shall be applied over the conductor to facilitate stripping. Insulation is 90°C rated low smoke, non-halogen, TelcoHyde™ 5221 conforming to Underwriter’s Laboratories Standard 44 and Telcordia Specification GR-347-CORE, also UL and CSA 105°C AWM rated. The insulation has a limiting oxygen index of 35%.

Conductors: Class I modified bunched (8 and 6 AWG) or rope-bunched (4 AWG and larger) stranded tin-coated copper conforming to ASTM B-33 and Underwriters’ Laboratories Requirements. An opaque mylar tape shall be applied over the conductor to facilitate stripping.

Insulation: 90°C / 105°C rated low smoke, non-halogen TelcoHyde™ 5221 conforming to Underwriter’s Laboratories Standard 44, Subjects 509 and 758, and CSA C22.2 No. 210.2 M90. In addition, TelcoHyde™ 5221 complies with the requirements of Telcordia Specification GR-347-CORE. The insulation has a limiting oxygen index of 35%.

Surface Marking: Two sides of the cable shall be printed using an ink of a contrasting color and with the following information: “SOUTHWIRE TELCOFLEX (R) II/ KS24194 (TM) L2 NON-HAL (UL) E18321 _ AWG 600 VOLTS RHH ST1 FT4 OR AWM 3578 60(D)/C WET VW-1 --- LL8825 CSA AWM I B 105(D)/C 600 VOLTS FT4-ST1 YEAR TIME JULIAN DATE --- MEETS IEC INCLUDING 60674 & 60332 SEQUENTIAL FOOTAGE MARKS” Add “FOR CT USE” before “(UL)” on Sizes 1/0 AWG and larger. Sequential footage markings shall be applied at 2 foot intervals on one side of the cable. “SOUTHWIRE manufacturing order number.
## TelcoFlex® II

### Weights and Measurements

<table>
<thead>
<tr>
<th>GRAY PART NUMBER</th>
<th>SIZE AWG OR KCMIL</th>
<th>STRANDING</th>
<th>CONDUCTOR DIAMETER (INCHES)</th>
<th>INSULATION MIN. AVG. WALL (MILS)</th>
<th>NOMINAL INSULATION DIAMETER (INCHES)</th>
<th>MAX. D.C. RES. @ 20°C (OHMS/M FT.)</th>
<th>APPROX. WEIGHT LBS./M FT.</th>
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*Also available in black, blue, green, red, and with black tracer; consult factory.

**Testing:** Physical and electrical test in accordance with the requirements of UL Standard 44, Subject 509 and 758, and CSA Standard C22.2 No. 210.2 M90 as AWM.

**Labels:** UL and CSA tags and labels shall be applied to each reel.