CENTRAL OFFICE/TELECOM POWER CABLE

600 Volts, Copper Conductor
Class I Flexible Strand With Braid
CSA approved, Non-Halogen Insulation
8 AWG - 750 KCMIL - Single Conductor

APPLICATIONS
TelcoFlex® IV Central Office Power Wire and Cable Class I Flexible Strand With 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, FT4-ST1.

SPECIFICATIONS
Southwire's TelcoFlex® IV meets or exceeds the following:

- UL Listed RHH/LS
- FT4- Flame Test
- VW-1
- ASTM B-33
- Physical and Electrical tests in accordance with UL standard 44 requirements
- CSA AWM I B 105°C
- IEC 60674 and 60332
- RoHS / Reach Compliant

CONSTRUCTION
Southwire’s TelcoFlex® IV 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 Underwriters’ laboratories requirements. An opaque mylar tape shall be applied over the conductor to facilitate stripping. Insulation is 90°C rated limited smoke, non-halogen, TelcoHyde™ 5221 conforming to Underwriters’ 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%.
<table>
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<tr>
<th>Gray</th>
<th>Size AWG or Kcmil</th>
<th>Strandig</th>
<th>Conductor Diameter (in)</th>
<th>Insulation Min. Average Wall (Mils)</th>
<th>Nominal Insulation Diameter (in)</th>
<th>Nominal Overall Diameter (in)</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.
**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 limited smoke, non-halogen TelcoHyde™ 5221 conforming to Underwriters’ 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%.

**Separator:** On sizes 6 AWG and larger, a 1 mil clear Mylar tape shall be applied over the insulation.

**Covering:** On all sizes, a natural cotton braid conforming to UL Standard 44 requirements is applied overall. A section of completed cable has a Limiting Oxygen Index of 35%.

**Finish:** A moisture resistant, fire retardant saturant and a colored finisher are applied to the braid.

**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) IV/KS24194 (TM) L4 NON-HAL (UL) E18321 2 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 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. .

**Testing:** Physical and electrical tests 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 all packages.

**Lengths:** All put-ups one length only unless agreed to otherwise. Maximum lengths per size will be advised.

**Packaging:** The ends of the cable shall be capped or taped to prevent the entrance of moisture during shipment or storage.