

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

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 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%.

Surface Marking: Two sides of the cable shall be printed using an ink of a contrasting color and with the following information: "TelcoFlex® II KS24194™ L2 NON-HAL (SIZE) AWG (or KCMIL) 600 V. RHH/ST1 FT4 (UL) or AWM 3578 60°C WET VW-1 E18321 --- A.I.W CORP. D LL 8825 CSA AWM I B 105°C 600V. FT4 ST1 (YEAR) M _____"

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.

| SIZE | COLOR | | | | | | | | |
|---------------------------|----------|----------|----------|----------|----------|--------------|--------------|--------------|---------------|
| All Items Are Not Braided | Gray | Green | Blue | Red | Black | Red -- | Blue -- | Gray | Green |
| | | | | | | Black Tracer | Black Tracer | Black Tracer | Yellow Tracer |
| 750 | 56960701 | 56960901 | 56960501 | 56961001 | 56960301 | 57173501 | 56960601 | 57622601 | |
| 500 | 56962701 | W39916 | 56962601 | 56962801 | 57149801 | W39918 | W39919 | W40769 | |
| 350 | 56980101 | 56980301 | 56979901 | 56980401 | 56979701 | 56980501 | 56980001 | 59680201 | |
| 4/0 | 56983901 | 56984101 | 57128401 | 57128301 | 57128501 | 57149601 | 56983801 | 56984001 | |
| 2/0 | 56977201 | 56977401 | 57149501 | 57149401 | 56977001 | 57784901 | 56977101 | 56977301 | |
| 1/0 | 56966001 | 57144901 | 57149301 | 56966201 | 56965901 | 56966301 | 57141801 | 56966101 | 56965801 |
| 2 | 56974501 | 56974801 | 56975001 | 56975401 | 56975301 | 56975501 | 56975101 | 56975201 | W67952 |
| 4 | 56981901 | 56982101 | 56981801 | 57128601 | 56981701 | 56982301 | 57152901 | 56982001 | |
| 6 | 57158301 | 56986001 | 57144701 | 57126401 | 56985801 | 57126601 | 57772401 | 56985901 | 56985701 |
| 8 | 56987601 | 57178401 | W39871 | 56987701 | 56987501 | 56987801 | W39873 | W40761 | |

WEIGHTS AND MEASUREMENTS

| GRAY* PART NUMBER | SIZE AWG OR KCMIL | STRANDING | CONDUCTOR DIAMETER (INCHES) | INSULATION MIN. AVG. WALL (MILS) | NOMINAL INSULATION DIAMETER (INCHES) | MAX. D.C. RES. @ 20°C (OHMS/M FT.) | APPROX. WEIGHT LBS./M FT. |
|-------------------|-------------------|-------------|-----------------------------|---|--------------------------------------|------------------------------------|---------------------------|
| 56987601 | 8 | 41/.0201* | .153 | 60 | .274 | .6790 | 78 |
| 57158301 | 6 | 65/.0201* | .188 | 60 | .315 | .4360 | 122 |
| 56981901 | 4 | 105/.0201* | .260 | 60 | .385 | .2740 | 186 |
| 56974501 | 2 | 168/.0201* | .305 | 60 | .430 | .1720 | 256 |
| 56966001 | 1/0 | 266/.0201* | .392 | 80 | .560 | .1090 | 434 |
| 56977201 | 2/0 | 342/.0201* | .455 | 80 | .620 | .0868 | 533 |
| 56983901 | 4/0 | 532/.0201* | .577 | 80 | .745 | .0546 | 832 |
| 56980101 | 350 | 888/.0201* | .760 | 95 | .960 | .0334 | 1298 |
| 56962701 | 500 | 1221/.0201* | .890 | 95 | 1.090 | .0234 | 1810 |
| 56960701 | 750 | 1850/.0201* | 1.094 | 110 | 1.314 | .0157 | 2680 |
| | | | | *Also available in black, blue, green, red, and with black tracer; consult factory. Testing : Physical and electrical tests in accordance with UL Standard 44 Requirements. Labels : UL tags and labels shall be applied to each reel. | | | |

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 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.