

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 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: "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.

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	57916801	W39919	57878701	
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	57833301	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.