

CENTRAL OFFICE/TELECOM POWER CABLE

600 Volts, Copper Conductor
Central Office/Telecom Power Cable
Class B Strand With Braid
CSA approved, Non-Halogen Insulation
14 AWG - 750 KCMIL - Single Conductor



APPLICATIONS

TelcoFlex® III Central Office Power Wire and Cable Class B 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® III 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

CONSTRUCTION

Southwire's TelcoFlex® III cable is single conductor with a class B 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 low 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%.

TelcoFlex® III

Gray*Part Number	Size AWG or Kcmil	Stranding	Insulation Min. Average Wall	Nominal Insulation Diameter (in)	Nominal Overall Diameter (in)	Max D.C. Res. @ 20 °C (Ohms/M ft.)	Approx. Weight lbs/M ft.
57133601	14	7/.0242"	45	.165	.225	2.730	37
56969501	12	7/.0305"	45	.185	.247	1.720	47
57051101	10	7/.0385"	45	.210	.272	1.080	63
57126701	8	7/.0486"	60	.270	.327	0.678	93
56986401	6	7/.0612"	60	.305	.370	0.427	132
56982601	4	7/.0772"	60	.350	.414	0.269	188
56975701	2	7/.0974"	60	.410	.482	0.169	278
56966701	1/0	19/.0745"	80	.530	.606	0.106	441
56977701	2/0	19/.0837"	80	.575	.651	0.084	537
56984501	4/0	19/.1055"	80	.680	.756	0.052	808
56980801	350	37/.0973"	95	.860	.930	0.032	1290
56963301	500	37/.1162"	95	.990	1.066	0.022	1796
56961301	750	61/.1109"	110	1.200	1.267	0.0148	2629

*Also available in black, blue, green, red, and with black tracer; consult factory.

SIZE	GRAY	GREEN	BLUE	RED	BLACK	RED/BLACK	BLUE/BLACK	GRAY/BLACK
750	56961301	56961501	56961101	56961701	W39859	57126201	56961201	56961401
500	56963301	56963501	56963001	57155501	56962901	56963601	56963101	56963401
350	56980801	57156901	57149201	56981001	57138201	56981101	56980701	56980901
4/0	56984501	56984701	56984301	56984901	56984201	56985001	56984401	56984601
2/0	56977701	56977901	56977501	56978101	57138301	56978201	56977601	56977801
1/0	56966701	56966901	56966401	56967001	57138401	56967101	56966601	56966801
2	56975701	56976001	56976101	56975801	56975901	56976201	56976301	56976501
4	56982601	56982801	56982401	56982901	57128701	56983101	56982501	56982701
6	56986401	56986501	56986201	56986601	56986101	56986701	57149101	57141001
8	57126701	56988001	57149001	56988101	56987901	W39811	W39812	W40771
10	57051101	56968201	56968001	56968301	56967901	56968401	W39806	-
12	56969501	56969601	56969401	56969701	56969301	W39799	W39800	-
14	57133601	57145701	57155601	57133701	57133501	W39793	W39794	-

Conductors: Class B 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%.

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%.

TelcoFlex® III

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: "TelcoFlex®III / KS24194™L3 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. --- LL 8825 CSA AWM I B 105°C 600V. FT4 (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.

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.