

TelcoFlex® IV

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%.

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Gray	Size AWG or Kcmil	Stranding	Conductor Diameter (in)	Insulation Min. Average Wall (Mils)	Nominal Insulation Diameter (in)	Nominal Overall Diameter (in)	Max D.C. Res. @ 20 °C (Ohms/M ft.)	Approx. Weight lbs/M ft.
56988201	8	41/.0201"	.153	60	.280	.312	.6790	93
56987001	6	65/.0201"	.189	60	.315	.350	.4360	137
56983301	4	105/.0201"	.257	60	.385	.393	.2740	199
57145801	2	168/.0201"	.305	60	.430	.470	.1720	277
57050601	1/0	266/.0201"	.390	80	.560	.593	.1090	460
56978401	2/0	342/.0201"	.445	80	.620	.648	.0868	557
56985201	4/0	532/.0201"	.577	80	.745	.785	.0546	868
56981301	350	888/.0201"	.760	95	.960	1.000	.0334	1345
56963701	500	1221/.0201"	.890	95	1.090	1.130	.0234	1860
56961901	750	1850/.0201"	1.094	110	1.320	1.360	.0157	2738

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

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SIZE	COLOR						
	GRAY	GREEN	RED	BLUE	BLACK	RED-	BLUE-
						BLACK TRACER	BLACK TRACER
750 STR	56961901	57145001	56962001	56961801	57150101	56962101	56962301
500 STR	56963701	W40046	56963801	57155101	57157401	56963901	56962501
350 STR	56981301	57310201	57168901	57137901	57150001	56979601	56981201
4/0 STR	56985201	57126801	56985301	56985101	57126901	W40036	W40037
2/0 STR	56978401	56978501	56978601	56978901	56978301	W40030	56979001
1/0 STR	57050601	56967201	56967401	57155201	57138101	56967501	W40025
2 STR	51745801	57192501	57168801	57149901	56976801	56976601	56976701
4 STR	56983301	57936101	56983401	57168501	57157301	W40012	56983201
6 STR	56987001	57150401	57153001	57126301	56986801	56987201	56986901
8 STR	56988201	57206101	57178901	57179001	W39996	W40000	W40001

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.