

TelcoSafe® I

600 Volts, Copper Conductor,
Central Office Power Wire and Cable
Flexible Central Office Power Wire and Cable
CSA approved, Non-Halogen Insulation
8 AWG thru 750 KCMIL - Single Conductor
90°C Dry, 75°C Wet to -40°C



APPLICATIONS

TelcoSafe® I Central Office Power Wire and Cable Class B Strand Without Braid. The Cable has low-smoke, lead-free and silicone-free non-halogenated insulation. UL Listed RHH/RHW/ST1 and VW-1 (8 AWG and larger. Sizes 1/0 and larger are UL, CT USE rated. CSA AWM I A/B 105°C, 1000 Volts, -40°C, W75°C. Complies with Telcordia GR-347-CORE.

SPECIFICATIONS

Southwire's TelcoSafe I complies with the following:

- ASTM B-33
- UL Listed RHH/RHW/ST1
- Flame Test FT1, FT2, FT4, ST1, and VW-1
- CSA AWM I A/B 105° C
- Physical and Electrical tests in accordance with UL standard 44 requirements
- IEC 60674 and 60332
- RoHS / Reach Compliant

CONSTRUCTION

Southwire's TelcoSafe cable is single conductor with a tinned class B stranded copper conforming to ASTM B-33 and UL 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%.

TelcoSafe

Stock Number	Size AWG or Kcmil	Stranding	Conductor Diameter (in)	Insulation Min. Average Wall	Nominal Insulation Diameter (in)	Max D.C. Res. @ 20 °C (Ohms/M ft.)	Approx. Weight lbs/M ft.
	8	7/.0486	.153	60	.280	.6790	83
580871	6	7/.0612	.188	60	.315	.4360	113
580868	4	7/.0772	.260	60	.385	.2740	188
580880	2	7/.0974	.305	60	.430	.1720	271
580927	1	19/.0663	.351	80	.493	.1240	331
580905	1/0	19/.0745	.392	80	.560	.1090	423
	2/0	19/.0837	.455	80	.620	.0868	525
	3/0	19/.0939	.461	80	.635	.0620	612
	4/0	19/.1055	.577	80	.745	.0546	775
580862	350	37/.0973	.760	95	.960	.0334	1260
	500	37/.1162	.890	95	1.090	.0234	1715
	750	61/.1109	1.094	110	1.320	.0157	2630

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

TelcoSafe

Conductors: Class B, 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: Black EVA Copolymer limited smoke, non-halogen, lead-free compound conforming to Underwriters' Laboratories Standard 44, Subjects 509 and 758, and CSA C22.2 No. 210-2-M90. The insulation has a limiting oxygen index (L.O.I.) minimum of 28%. Other colors can be furnished upon request.

Surface Marking: Two sides of the cable shall be printed using an ink of contrasting color and with the following information: "TelcoSafe L1 NON-HAL (SIZE) AWG (OR KCML) 600V. RHH or RHW/ST1 FT4/IEEE 1202 (UL) E18321 --- A.I.W. CORP. --- LL 8825 CSA AWM I A/B 105°C 1000V. W75C, -40°C FT1, FT2, FT4-ST1 (YEAR) (SEQ. FTG. ON 1 SIDE)
For Sizes 1/0 AWG and larger add, "FOR CT USE" before "(UL)" For Sizes 8 AWG and larger add, "VW-1" after "(UL)"

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.