

TelcoFlex™ Central Office Power Cables



- Compliant to Telcordia GR-347, UL listed and CSA certified
- Features *TelcoHyde™* thermoset flexible rubber insulation
- Non-halogen
- LS (Limited-Smoke) rated
- Non-silicone and lead-free
- Braided and non-braided constructions
- Flexible and durable

TYPE

TelcoFlex™ II

Central Office Power Wire and Cable Class I Flexible Strand Without Braid

Low Smoke, Non-Halogenated Insulation, Lead-Free and Silicone-Free, 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 AWG and larger are UL, "CT USE" rated. CSA AWM I B 105°C 600 Volt FT4-ST1

SCOPE

This specification covers the construction requirements for low smoke, non-halogenated, TelcoHyde™ 5221 insulated, power wire and cable, type RHH/LS for use in accordance with the National Electrical Code.

The construction of the wire and cable is in accordance with Underwriters' Laboratories requirements and the requirements of CSA for the FT4 flame tests.

CONSTRUCTION

Size: Sizes 8 AWG through 750 KCMIL - Single conductor.

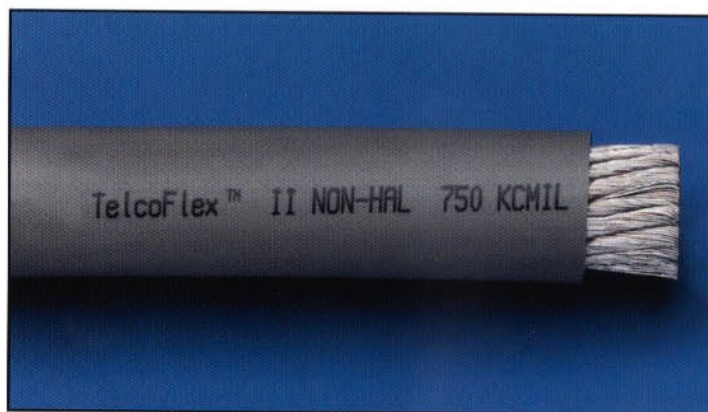
Conductors: Class I (modified) bunched (8 and 6 AWG) and rope-bunched (4 AWG and larger) stranded tinned copper conforming to ASTM B-33 and Underwriters' Laboratories requirements. An opaque mylar tape shall be applied over the conductor to facilitate stripping.

Insulation: 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%.

CABLE DATA

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.)	STOCK COLOR*	APPROX. WEIGHT LBS./M FT.
39747	8	41/.0201"	.156	60	.290	.6790	Gray	86
39748	6	65/.0201"	.186	60	.320	.4360	Gray	120
39749	4	105/.0201"	.263	60	.400	.2740	Gray	193
39750	2	168/.0201"	.325	60	.460	.1720	Gray	284
39751	1/0	266/.0201"	.441	80	.620	.1090	Gray	457
39752	2/0	342/.0201"	.500	80	.680	.0868	Gray	570
39753	4/0	532/.0201"	.613	80	.795	.0546	Gray	844
39754	350	855/.0201"	.750	95	.960	.0334	Gray	1336
39755	500	1221/.0201"	.941	95	1.165	.0234	Gray	1850
39756	750	1850/.0201"	1.100	110	1.340	.0157	Gray	2740

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



Surface Marking: Two sides of the cable shall be printed using an ink of contrasting color and with the following information: "TelcoFlex™ II/KS24194™ L2 NON-HAL (SIZE) AWG (OR KCMIL) 600V. RHH/LS FT4 (UL) OR AWM 3578 VW-1 E18321---A.I.W. CORP.---LL8825 CSA AWM I B 105°C 600V. FT4-ST1 (YEAR) (SEQ. FTG. ON 1 SIDE)". For sizes 1/0 AWG and larger add "FOR CT USE" before "(UL)"

Testing: Physical and electrical tests in accordance with UL Standard 44 requirements.

Labels: UL tags and labels shall be applied to each reel.