

TelcoFlex™ Central Office Power Cables



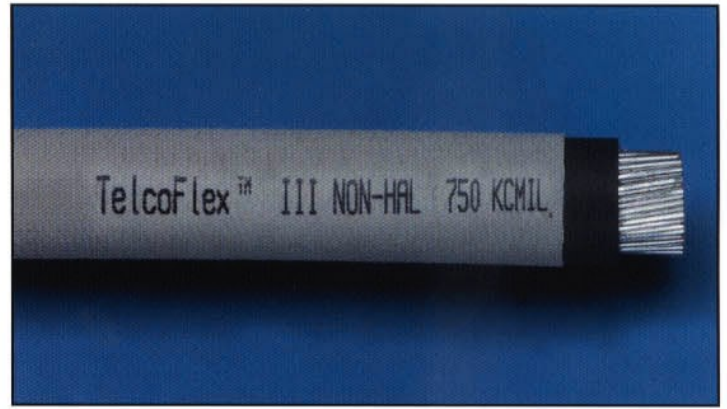
- Compliant to Telcordia GR-347, UL listed and CSA certified
- Features *TelcoHyde™* thermoset flexible rubber insulation
- Non-halogen
- LS (Limited-Smoke) rated
- Non-silicone and lead-free
- Braided and non-braided constructions
- Flexible and durable

TYPE



TelcoFlex™ III Central Office Power Wire and Cable Class B Stranded With Braid

Low Smoke, Non-Halogenated Insulation With Cotton Braid, Lead-Free and Silicone-Free, UL Listed RHH/LS FT4 and VW-1, 90°C Dry, 60°C Wet - 600 Volts
UL Listed "For CT Use" (Sizes 1/0 AWG and Larger)
CSA AWM I B 105°C, 600 Volt, FT4



SCOPE

This specification covers the construction requirements for low smoke, non-halogenated, TelcoHyde™ 5221 insulated, cotton braided 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. Sizes 1/0 AWG and larger are UL "CT USE" rated.

CONSTRUCTION

Sizes: 14 AWG through 750 KCMIL - Single conductor

Conductors: Class B stranded tinned copper conforming to ASTM B-33 and B-8 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 CSA 105°C AWM rated. 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 requirements is applied overall. A section of completed cable has a limiting oxygen index of 35%.

Finish: A moisture resistant, flame retardant saturant and a colored finisher is applied to the braid.

Surface Marking: Two sides of the cable shall be printed using an ink of contrasting color and with the following information: "TelcoFlex™ III/KS24194™ L3 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 (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.

CABLE DATA

PART NUMBER	SIZE AWG OR KCMIL	STRANDING	INSULATION MIN. AVG. WALL (MILS)	NOMINAL INSUL. DIAMETER (INCHES)	NOMINAL OVERALL DIAMETER (INCHES)	MAX. D.C. RES. @ 20°C (OHMS/M FT.)	STOCK COLOR*	APPROX. WEIGHT LBS./M FT.
39757	14	7/.0242"	45	.165	.195	2.730	Gray	31
39758	12	7/.0305"	45	.185	.215	1.720	Gray	41
39759	10	7/.0385"	45	.210	.245	1.080	Gray	59
39760	8	7/.0486"	60	.270	.310	0.678	Gray	92
39761	6	7/.0612"	60	.310	.350	0.427	Gray	130
39762	4	7/.0772"	60	.355	.395	0.269	Gray	190
39763	2	7/.0974"	60	.420	.470	0.169	Gray	282
39764	1/0	19/.0745"	80	.545	.595	0.106	Gray	443
39765	2/0	19/.0837"	80	.590	.640	0.084	Gray	538
39766	4/0	19/.1055"	80	.695	.745	0.052	Gray	812
39767	350	37/.0973"	95	.875	.925	0.032	Gray	1313
39768	500	37/.1162"	95	1.005	1.055	0.022	Gray	1822
39769	750	61/.1109"	110	1.220	1.270	0.0148	Gray	2692

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