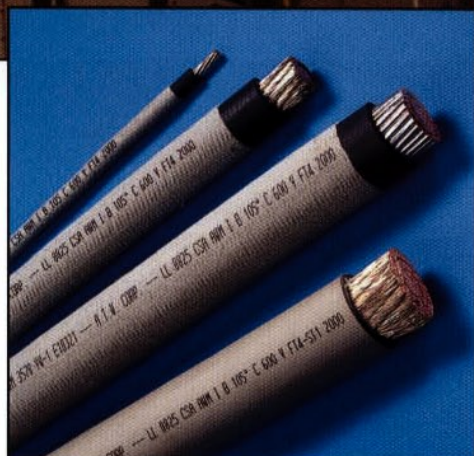


TelcoFlex™ Central Office Power Cables



- 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

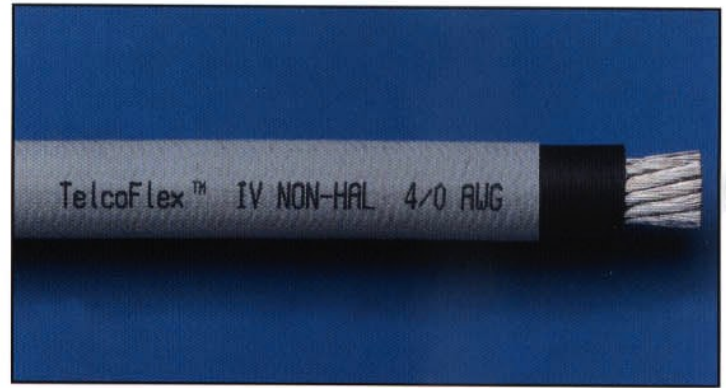
TYPE



TelcoFlex™ IV

Central Office Power Wire and Cable Class I Flexible Strand 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" (1/0 AWG and Larger), CSA AWM I B 105°C, 600 Volts, 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: 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 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, fire 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™ IV/KS24194™ L4 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	CONDUCTOR DIAMETER (INCHES)	INSUL. MIN. AVG. WALL (MILS)	NOMINAL INSUL. DIAMETER (INCHES)	NOMINAL OUTSIDE DIAMETER (INCHES)	MAX. D.C. RES. @ 20°C (OHMS/M FT.)	STOCK COLOR*	APPROX. WEIGHT LBS./M FT.
39770	8	41/.0201"	.156	60	.290	.330	.6790	Gray	86
39771	6	65/.0201"	.186	60	.320	.360	.4360	Gray	120
39772	4	105/.0201"	.263	60	.400	.440	.2740	Gray	193
39773	2	168/.0201"	.325	60	.460	.510	.1720	Gray	284
39774	1/0	266/.0201"	.441	80	.620	.670	.1090	Gray	479
39775	2/0	342/.0201"	.500	80	.680	.730	.0868	Gray	593
39776	4/0	532/.0201"	.613	80	.795	.845	.0546	Gray	882
39777	350	855/.0201"	.750	95	.960	1.010	.0334	Gray	1373
39778	500	1221/.0201"	.941	95	1.165	1.215	.0234	Gray	1906
39779	750	1850/.0201"	1.100	110	1.340	1.390	.0157	Gray	2792

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