

# ELECTRO WIRE™

TELECOM SOLUTIONS

A GCG COMPANY

## TELCOFLEX® BY SOUTHWIRE® Setting the Standard for Over 30 Years

When it comes to telecom infrastructure, having the right products at the right time is critical to ensuring network reliability, uptime, and project efficiency. That's why operators and integrators choose Electro Wire™ Telecom Solutions—the premier distributor of TelcoFlex® in the U.S. Whether you're upgrading central offices, data centers, or cell sites, trust Electro Wire to provide the TelcoFlex cables you need, where and when you need them.

For years, TelcoFlex set the standards for telecom power cable. TelcoFlex, the premier power cable for use in Central Office, MTSO, Wireless, DAS, CATV Head End and Data Center applications is available from Electro Wire Telecom Solutions. Audited by Telcordia to GR-347, UL Listed and CSA certified, TelcoFlex features TelcoHyde, a Non-Halogen, Low-Smoke and environmentally friendly Non-Silicone and Lead-Free thermoset rubber insulation. TelcoFlex also offers more flexibility and durability for better cable pulling through trays. TelcoFlex is available in both Braided and Non-Braided, from 14AWG to 750Kcmil. Let the Electro Wire team provide you with the delivery and service you need.

- Audited by Telcordia to GR-347-Core. UL listed and CSA certified
- Features TelcoHyde® thermoset flexible rubber insulation
- Non-Halogen, RoHS Compliant
- LS (Low-Smoke) rated
- Non-Silicone and Lead-Free
- Braided and Non-Braided constructions
- Flexible and Durable

**Nationwide coverage that ensures you're always connected:**

**COLUMBUS, NE ⚡ DALLAS, TX ⚡ SPARTANBURG, SC ⚡ TEMPE, AZ**



For more information or samples of TelcoFlex email us at [info@electrowire.com](mailto:info@electrowire.com)

# TelcoFlex® Central Office Power Cable

## TYPE

- TelcoFlex II, III, & IV Central Office Power Wire and Cable
- Low-Smoke, non-halogenated insulated (lead-free and silicone free) with and without cotton braid
- UL listed RHH/ST-1 FT4 and VW-1
- UL listed Telephone Central Office Power Cable 90 °C dry, 60 °C wet- 600 volts DC or AC (TelcoFlex III & IV)
- 105 °C dry, 60 °C wet- 600 volts DC or AC (TelcoFlex II only)
- CSA AWM I B 105 °C, 600 volts, FT4

## SCOPE

- Covers the construction requirements for low-smoke, non-halogenated central office power wire and cable, insulated with Southwire® TelcoHyde
- UL listed Type RHH/ST-1 is in accordance with the National Electrical Code
- List 2 wire & cable construction is in accordance with Telcordia GR-347-CORE & KS-24194™ and ATIS-0600017.2014, Underwriters' Laboratories requirements, & the requirements of CSA for the FT4 flame test
- List 3 cable is in accordance with Telcordia GR-347-CORE, Underwriters' Laboratories requirements, & the requirements of CSA for the FT4 flame/smoke test
- List 4 wire & cable is in accordance with Specification KS24194, Underwriters' Laboratories requirements, & the requirements of CSA for the FT4 flame test
- Sizes 1/0 AWG & larger construction are UL "CT Use" (Cable Tray) rated

CONSTRUCTION							
KCMIL	Stranding for TelcoFlex			Insul. Min. Wall (Mils)	Approximate Outside Diameter for TelcoFlex		
	II	III	IV		II	III	IV
14	41/.010	7/.0247"	—	45	—	.226	—
12	65/.010	7/.0311"	—	45	—	.244	—
10	104/.010	7/.0392"	—	45	—	.272	—
8	41/.0201	7/.0495"	41/.0201	60	.280	.327	.312
6	65/.0201	7/.0624"	65/.0201	60	.315	.370	.346
4	126/.0201	7/.0787"	126/.0201	60	.385	.414	.418
2	168/.0201	7/.0992"	168/.0201	60	.430	.482	.478
1/0	266/.0201	19/.0760"	266/.0201	80	.560	.606	.595
2/0	342/.0201	19/.0853"	342/.0201	80	.620	.651	.658
4/0	532/.0201	19/.1076"	532/.0201	80	.745	.756	.785
350	888/.0201	37/.0991"	888/.0201	95	.960	.930	.993
500	1221/.0201	37/.1185"	1221/.0201	95	1.090	1.059	1.130
750	1850/.0201	61/.1130"	1850/.0201	110	1.320	1.276	1.360

**A. CONDUCTORS** Concentric Class B or flexible, modified Class I or Class K stranded coated copper conforming to ASTM B-33 and Underwriters' Laboratories requirements. An opaque mylar tape shall be applied over the conductor to facilitate stripping.

**B. INSULATION** 90 °C rated Low-Smoke, non-halogen TelcoHyde conforming to Underwriters' Laboratories Standard 44 and Telcordia Specification GR-347-CORE. The insulation has a limiting oxygen index (L.O.I.) of 35%.

### C. TELCOFLEX III & IV ONLY

**1. SEPARATOR** On sizes 6 AWG and larger, a 1 mil clear mylar tape shall be applied over the insulation.

**2. 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%.

**3. FINISH** A moisture-resistant, flame-retardant saturant and a colored finisher is applied to the braid.

**D. SURFACE MARKING** Two sides of the cable shall be printed using ink in contrasting color. It will include "Southwire AIW (TM) Cord Brand TelcoFlex (R) KS24194(TM)" and identify the size of the cables, plus applicable approvals. Additional information available upon request.

**E. TESTING** Physical and electrical testing in accordance with UL Standard 44 requirements.

TelcoFlex® is a Registered Trademark of Southwire Co., LLC

For more information or samples of TelcoFlex email us at [info@electrowire.com](mailto:info@electrowire.com)