



TELCOFLEX® BY SOUTHWIRE®

Setting the Standard for Over 30 Years

GCG Telecom Solutions:

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 GCG—the Premier Distributor of TelcoFlex® in the U.S. Whether you're upgrading central offices, data centers, or cell sites, trust GCG 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 the GCG 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 GCG 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

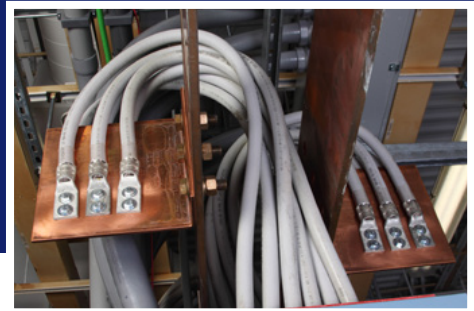
Dallas TX

Spartanburg, SC

Tempe, AZ

For more information or samples of TelcoFlex®, contact GCG.





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.