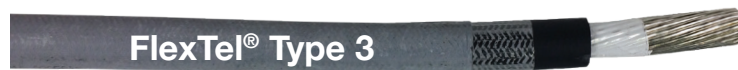




## Cablcon FlexTel® Type 3 Broadband Power Cable

### Telcordia GR-347-CORE Issue 3 and ATIS 0600017.2009 Compliant

600 Volt Copper Conductor Broadband Power Cable  
Class B Strand with Braid, Non-Halogen Insulation  
14 AWG to 750 KCMIL Single Conductor



### APPLICATIONS:

Type 3 Broadband Power Cable is a durable RHH/LS Class B Tinned Strand cable with cotton cloth braid designed for use in telecommunication power distribution.

### SPECIFICATIONS:

- Type 3 Broadband Power Cable
- Limited Smoke, Non-Halogenated Insulated (with Cotton Braid)
- Lead Free and Silicone Free, RoHS Compliant
- UL Listed RHH/RHW-2, ST-1 & VW-1, in accordance with CSA requirement FT4
- UL Listed "For CT Use" or Cable Tray use (1/0 & Larger)

### CONSTRUCTION:

- Conductors: Class B stranded, tin-coated copper in accordance to ASTM B-33, B-8 and Underwriters Laboratories requirements. Conductor covered with a Mylar tape to aid in stripping.
- Insulation: 90°C rated limited or low-smoke, non-halogen crosslinked polyolefin (XLPO) compound conforming to Underwriters Laboratories Standard 44 and complies with the requirements of Telcordia Specification GR-347-CORE, Issue 3. The insulation has a Limiting Oxygen Index (LOI) of 35%.
- Separator: On sizes 6 AWG and larger, a 1 mil clear Mylar tape applied.
- Covering: On all sizes, a natural cotton cloth braid. Finished product to UL 44 and 1685.
- Finish: A moisture resistant, fire retardant saturant and a colored finisher are applied to braid.
- Surface Marking: FlexTel® TYPE 3 NON-HAL (SIZE) (AWG or KCMIL) (mm<sup>2</sup>) 600V RHH/LS -40 C TO 90 C ST-1 VW-1 FT4 (UL) E484574 CSA RW90 -40 C TO 90 C 600V FT4 (YEAR) (FOOTAGE)\*.  
Add "FOR CT USE" before UL on sizes 1/0 AWG and larger. Sequential footage markings are applied at 2 foot intervals. \* Unique manufacturing order number.
- Testing: Physical and electrical tests in accordance with the requirements of UL Standard 44.
- Labels: Factory shipped with UL & CSA tags and labels shall be applied to all packages.
- Lengths: Both standard maximum reel lengths as well as custom cut lengths available.
- Packaging: The ends of cable shall be capped or taped to prevent the entrance of moisture during shipment or storage.



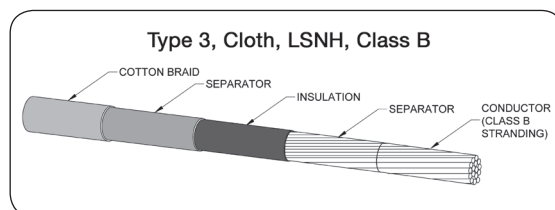
**Cablcon FlexTel® Type 3  
Broadband Power Cable**

Size	COLOR				
	Gray	Green	Red	Black	Blue
14	G2416-0033-009	G2416-0033-004	G2416-0033-003	G2416-0033-001	G2416-0033-006
12	G2416-0037-009	G2416-0037-004	G2416-0037-003	G2416-0037-001	G2416-0037-006
10	G2416-0041-009	G2416-0041-004	G2416-0041-003	G2416-0041-001	G2416-0041-006
8	G2416-0047-009	G2416-0047-004	G2416-0047-003	G2416-0047-001	G2416-0047-006
6	G2416-0053-009	G2416-0053-004	G2416-0053-003	G2416-0053-001	G2416-0053-006
4	G2416-0058-009	G2416-0058-004	G2416-0058-003	G2416-0058-001	G2416-0058-006
2	G2416-0063-009	G2416-0063-004	G2416-0063-003	G2416-0063-001	G2416-0063-006
1/0	G2416-0074-009	G2416-0074-004	G2416-0074-003	G2416-0074-001	G2416-0074-006
2/0	G2416-0080-009	G2416-0080-004	G2416-0080-003	G2416-0080-001	G2416-0080-006
4/0	G2416-0092-009	G2416-0092-004	G2416-0092-003	G2416-0092-001	G2416-0092-006
350	G2416-0100-009	G2416-0100-004	G2416-0100-003	G2416-0100-001	G2416-0100-006
500	G2416-0102-009	G2416-0102-004	G2416-0102-003	G2416-0102-001	G2416-0102-006
750	G2416-0119-009	G2416-0119-004	G2416-0119-003	G2416-0119-001	G2416-0119-006

\*Also available in red, blue and gray with black tracer

**WEIGHTS AND MEASUREMENTS**

Size	Class B	Conductor	Insulation Min.	Nominal	Nominal Overall	Max D.C. Res.	Ampacity per	Ampacity per	Approx. Weight	
AWG	Stranding	Diameter	Avg. Wall (Mils)	Insulation	Diameter	@ 20°C	NEC table	NEC table	Lbs./M Ft.	
or Kcmil		(inches)		Diameter (inches)	O.D. (inches)	(ohms/Mft)	310.16 @ 75°C	310.16 @ 90°C		
G2416-0033-xxx	14	7/.0242	.071	45	.165	.200	2.73	20	25	37
G2416-0037-xxx	12	7/.0305	.090	45	.185	.220	1.72	25	30	47
G2416-0041-xxx	10	7.0385	.114	45	.210	.250	1.08	35	40	63
G2416-0047-xxx	8	7/.0486	.143	60	.270	.320	.678	50	55	93
G2416-0053-xxx	6	7/.0612	.180	60	.305	.355	.427	65	75	132
G2416-0058-xxx	4	7/.0772	.227	60	.350	.400	.269	85	95	188
G2416-0063-xxx	2	7/.0974	.286	60	.410	.460	.169	115	130	278
G2416-0074-xxx	1/0	19/.0745	.365	80	.530	.585	.106	150	170	441
G2416-0080-xxx	2/0	19/.0837	.411	80	.575	.630	.084	175	195	537
G2416-0092-xxx	4/0	19/.1055	.517	80	.680	.735	.052	230	260	808
G2416-0100-xxx	350	37/.0973	.667	95	.860	.915	.032	310	350	1290
G2416-0102-xxx	500	37/.1162	.797	95	.990	1.045	.022	380	430	1796
G2416-0119-xxx	750	61/.1109	.978	110	1.20	1.26	.0148	475	535	2629



DALLAS • DETROIT

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