



## Cablcon FlexTel® Type 2 Broadband Power Cable

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

600 Volt Copper Conductor Broadband Power Cable  
Class I Strand without Braid, Non-Halogen Insulation  
8 AWG to 750 KCMIL Single Conductor



### APPLICATIONS:

Type 2 Broadband Power Cable is a highly flexible, durable RHH/LS Class I Flexible Tinned Strand cable. The cable has low-smoke, lead-free and silicone-free non-halogenated insulation for use in telecommunication power distribution.

### SPECIFICATIONS:

- Type 2 Broadband Power Cable
- Limited Smoke, Non-Halogenated Insulated
- 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 I stranded, tin-coated copper in accordance to ASTM B-33 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%.
- Surface Marking: FlexTel® TYPE 2 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.



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Broadband Power Cable**

Size	COLOR				
	Gray	Green	Red	Black	Blue
8	G2414-0047-009	G2414-0047-004	G2414-0047-003	G2414-0047-001	G2414-0047-006
6	G2414-0053-009	G2414-0053-004	G2414-0053-003	G2414-0053-001	G2414-0053-006
4	G2414-0058-009	G2414-0058-004	G2414-0058-003	G2414-0058-001	G2414-0058-006
2	G2414-0063-009	G2414-0063-004	G2414-0063-003	G2414-0063-001	G2414-0063-006
1/0	G2414-0074-009	G2414-0074-004	G2414-0074-003	G2414-0074-001	G2414-0074-006
2/0	G2414-0080-009	G2414-0080-004	G2414-0080-003	G2414-0080-001	G2414-0080-006
4/0	G2414-0092-009	G2414-0092-004	G2414-0092-003	G2414-0092-001	G2414-0092-006
350	G2414-0100-009	G2414-0100-004	G2414-0100-003	G2414-0100-001	G2414-0100-006
500	G2414-0102-009	G2414-0102-004	G2414-0102-003	G2414-0102-001	G2414-0102-006
750	G2414-0119-009	G2414-0119-004	G2414-0119-003	G2414-0119-001	G2414-0119-006

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

**WEIGHTS AND MEASUREMENTS**

	Size AWG	Class I Stranding	Conductor Diameter (inches)	Insulation Min. Avg. Wall (Mils)	Nominal O.D. (inches)	Max D.C. Res. @ 20°C (ohms/Mft)	Ampacity per NEC table 310.16 @ 75°C	Ampacity per NEC table 310.16 @ 90°C	Approx. Weight Lbs./M Ft.
G2414-0047-xxx	8	41/.0201	.153	60	.280	.679	50	55	78
G2414-0053-xxx	6	65/.0201	.188	60	.315	.436	65	75	122
G2414-0058-xxx	4	105/.0201	.260	60	.385	.274	85	95	186
G2414-0063-xxx	2	168/.0201	.305	60	.430	.172	115	130	256
G2414-0074-xxx	1/0	266/.0201	.392	80	.560	.109	150	170	434
G2414-0080-xxx	2/0	342/.0201	.455	80	.620	.0868	175	195	533
G2414-0092-xxx	4/0	532/.0201	.577	80	.745	.0546	230	260	832
G2414-0100-xxx	350	888/.0201	.760	95	.960	.0334	310	350	1298
G2414-0102-xxx	500	1221/.0201	.890	95	1.09	.0234	380	430	1810
G2414-0119-xxx	750	1850/.0201	1.094	110	1.325	.0157	475	535	2680

