

The Cablcon DC Power Cable family, RG Flex, includes List 2, List 3 and List 4 telecommunications power products. RG Flex L3 is a 600V, Class B Stranded, Low Smoke Zero Halogen (LSZH) rated cable. Certified by Telcordia as well as meets the functional performance requirements of GR-347 Issue 3, TPR.9212, and ATIS-0600017.2014. This cable is suitable for use in all telecommunications facilities including central offices, remote terminal applications, and outside plant remote cabinets that house electrical equipment.



Applications

- Designed and approved for use as Appliance Wiring Material (AWM) and cable tray (CT) (sizes 1/0 AWG and larger)
- Ideal for use in telecommunications facilities
- Suitable for environments requiring:
 - DC Power distribution
 - Low-smoke and flame retardancy
 - Flexibility and safety
 - Resistance to hard environmental conditions

Construction

- Conductor:
 - Class B annealed tinned copper flexible stranded
 - Flexible stranded design per ASTM B-33 and B-172
 - Mylar tape over conductor to ease stripping
- Insulation:
 - Thermosetting low-smoke, silicone-free, and lead-free
 - Non-halogenated compound
- Sheath Markings:
 - Sequential footage markings every 2 ft
 - RG Flex L3 NON-HAL(UL) E477980 ___ AWG RHH/ RHW 90C DRY AND 75C WET FT4-ST1 OR AWM 3578 105C 600V VW-1 – c(UL) AWM I B 105C 600V FT4 ----Meets IEC60754, IEC60332 xxx FT
 - “FOR CT USE” before “(AWM 3578)” on sizes 1/0 AWG and larger

Features

- Voltage: 600V
- Temperature Ratings: 105°C dry and 75°C wet
- Flame Performance: VW-1 / FT4
- Protective Layer: Woven cotton braid, saturated with heat, moisture and flame-resistant compound
- Packaging: Ends capped or taped to prevent moisture ingress during storage or transit

Standards & Certifications

- Telcordia GR-347-CORE
- ATIS 0600017.2014
- TPR.9212
- UL® 2731, UL® 44, UL® AWM Subjects 509 & 758
- CSA AWM 1 B 105°C
- C22.2 No. 210.2 M90
- IEC 60754 and IEC 60332
- RoHS / Reach Compliant

RG Flex L3

Part Number	Size (AWG or kcmil)	Stranding Number/dia (in)	Conductor Diameter (in)	Insulation Min. Thickness (mils)	Nominal Insulation Diameter (in)	Nominal Braid Diameter (in)	Max D.C. Res. @ 20°C (ohms/mft)	Approx. Weight (lbs/mft)
14L3-XX	14	7/0.0240	0.071	45	0.173	0.24	2.731	33.6
12L3-XX	12	7/0.0303	0.09	45	0.193	0.256	1.719	48.6
10L3-XX	10	7/0.0386	0.113	45	0.217	0.279	1.079	64.1
08L3-XX	8	7/0.0484	0.143	60	0.276	0.338	0.677	97.1
06L3-XX	6	7/0.0610	0.181	60	0.311	0.378	0.427	127.6
04L3-XX	4	7/0.0772	0.228	60	0.358	0.425	0.268	189.8
02L3-XX	2	7/0.0972	0.286	60	0.417	0.484	0.169	272.6
01L3-XX	1	19/0.0654	0.327	80	0.488	0.57	0.134	355
1/0L3-XX	1/0	19/0.0744	0.366	80	0.539	0.61	0.106	432
2/0L3-XX	2/0	19/0.0839	0.417	80	0.587	0.661	0.084	534.4
4/0L3-XX	4/0	19/0.1055	0.524	80	0.693	0.771	0.052	794.4
350L3-XX	350	37/0.0972	0.665	95	0.87	0.941	0.032	1258
500L3-XX	500	37/0.1142	0.803	95	1.008	1.078	0.021	1769.8
750L3-XX	750	61/0.1110	0.976	110	1.213	1.283	0.015	2574.6

RG Flex L3 Color Coding

Size	8-Gray	2-Green	1-Red	3-Blue	0-Black
14 STR	14AWG-L3GY	14AWG-L3GN	14AWG-L3RD	14AWG-L3BL	14AWG-L3BK
12 STR	12AWG-L3GY	12AWG-L3GN	12AWG-L3RD	12AWG-L3BL	12AWG-L3BK
10 STR	10AWG-L3GY	10AWG-L3GN	10AWG-L3RD	10AWG-L3BL	10AWG-L3BK
8 STR	8AWG-L3GY	8AWG-L3GN	8AWG-L3RD	8AWG-L3BL	8AWG-L3BK
6 STR	6AWG-L3GY	6AWG-L3GN	6AWG-L3RD	6AWG-L3BL	6AWG-L3BK
4 STR	4AWG-L3GY	4AWG-L3GN	4AWG-L3RD	4AWG-L3BL	4AWG-L3BK
2 STR	2AWG-L3GY	2AWG-L3GN	2AWG-L3RD	2AWG-L3BL	2AWG-L3BK
1 STR	1AWG-L3GY	1AWG-L3GN	1AWG-L3RD	1AWG-L3BL	1AWG-L3BK
1/0 STR	1/0-L3GY	1/0-L3GN	1/0-L3RD	1/0-L3BL	1/0-L3BK
2/0 STR	2/0-L3GY	2/0-L3GN	2/0-L3RD	2/0-L3BL	2/0-L3BK
4/0 STR	4/0-L3GY	4/0-L3GN	4/0-L3RD	4/0-L3BL	4/0-L3BK
350 STR	350MCM-L3GY	350MCM-L3GN	350MCM-L3RD	350MCM-L3BL	350MCM-L3BK
500 STR	500MCM-L3GY	500MCM-L3GN	500MCM-L3RD	500MCM-L3BL	500MCM-L3BK
750 STR	750MCM-L3GY	750MCM-L3GN	750MCM-L3RD	750MCM-L3BL	750MCM-L3BK

* Tracer cable available upon request