

The Cablcon DC Power Cable family, RG Flex, includes List 2, List 3 and List 4 telecommunications power products. RG Flex L4 is a 600V, Class I Stranded, Cloth Jacketed, 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 I 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
 - E477980 ___ AWG RHH/RHW 90C DRY AND 75C WET FT4-ST1 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-ST1
- 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, and UL® 44 Type RHH/RHW/ST1
- CSA AWM 1 B 105°C and AWM Subjects 509 & 758
- C22.2 No. 210.2 M90
- IEC 60754 and IEC 60332
- RoHS / Reach Compliant

RG Flex L4

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)
08L4-XX	8	41/0.0201	0.147	60	0.28	0.342	0.68	98.1
06L4-XX	6	65/0.0201	0.192	60	0.315	0.381	0.436	135.3
04L4-XX	4	105/0.0201	0.257	60	0.39	0.452	0.274	195.5
02L4-XX	2	165/0.0201	0.309	60	0.441	0.508	0.172	278.5
01L4-XX	1	210/0.0201	0.346	80	0.512	0.59	0.137	361
1/0L4-XX	1/0	266/0.0201	0.398	80	0.571	0.641	0.109	442.8
2/0L4-XX	2/0	342/0.0201	0.455	80	0.626	0.7	0.087	548.1
4/0L4-XX	4/0	532/0.0201	0.571	80	0.736	0.814	0.055	804.1
350L4-XX	350	882/0.0201	0.752	95	0.953	1.027	0.034	1254.9
500L4-XX	500	1221/0.0201	0.894	95	1.087	1.157	0.023	1676
750L4-XX	750	1850/0.0201	1.067	110	1.307	1.382	0.016	2499.6

RG Flex L4 Color Coding

Size	8-Gray	2-Green	1-Red	3-Blue	0-Black
8 STR	8AWG-L4GY	8AWG-L4GN	8AWG-L4RD	8AWG-L4BL	8AWG-L4BK
6 STR	6AWG-L4GY	6AWG-L4GN	6AWG-L4RD	6AWG-L4BL	6AWG-L4BK
4 STR	4AWG-L4GY	4AWG-L4GN	4AWG-L4RD	4AWG-L4BL	4AWG-L4BK
2 STR	2AWG-L4GY	2AWG-L4GN	2AWG-L4RD	2AWG-L4BL	2AWG-L4BK
1 STR	1AWG-L4GY	1AWG-L4GN	1AWG-L4RD	1AWG-L4BL	1AWG-L4BK
1/0 STR	1/0-L4GY	1/0-L4GN	1/0-L4RD	1/0-L4BL	1/0-L4BK
2/0 STR	2/0-L4GY	2/0-L4GN	2/0-L4RD	2/0-L4BL	2/0-L4BK
4/0 STR	4/0-L4GY	4/0-L4GN	4/0-L4RD	4/0-L4BL	4/0-L4BK
350 STR	350MCM-L4GY	350MCM-L4GN	350MCM-L4RD	350MCM-L4BL	350MCM-L4BK
500 STR	500MCM-L4GY	500MCM-L4GN	500MCM-L4RD	500MCM-L4BL	500MCM-L4BK
750 STR	750MCM-L4GY	750MCM-L4GN	750MCM-L4RD	750MCM-L4BL	750MCM-L4BK

* Tracer cable available upon request