

DC POWER 600V RHH/RHW LSZH CABLE

List 3 – Class B Stranding, Cloth Jacketed, LSZH, 600V



The **RG Flex family** of telecommunications power products has been tested and certified by Telcordia and meets the functional performance requirements of GR-347 Issue 3, TPR.9212 and ATIS-0600017.2020. Telcordia affirms that L2, L3 and L4 power cables are suitable for use in all telecommunications facilities including central offices, remote terminal applications and outside plant remote cabinets that house electronics equipment.



RG Flex L3, 2/0 AWG

Size AWG or kcmil	Stranding Number/dia (Inch)	Conductor diameter (inches)	Insulation min. Thickness (mils)	Nominal insulation diameter (inches)	Nominal braid diameter (inches)	Max.d.c.res. @20°C (ohms/ mft.)	Approx. Weight lbs./mft.
14	7/0.0240	0.071	45	0.173	0.240	2.731	33.6
12	7/0.0303	0.090	45	0.193	0.256	1.719	48.6
10	7/0.0386	0.113	45	0.217	0.279	1.079	64.1
8	7/0.0484	0.143	60	0.276	0.338	0.677	97.1
6	7/0.0610	0.181	60	0.311	0.378	0.427	127.6
4	7/0.0772	0.228	60	0.358	0.425	0.268	189.8
2	7/0.0972	0.286	60	0.417	0.484	0.169	272.6
1	19/0.0654	0.327	80	0.488	0.570	0.134	355
1/0	19/0.0744	0.366	80	0.539	0.610	0.106	432.0
2/0	19/0.0839	0.417	80	0.587	0.661	0.084	534.4
4/0	19/0.1055	0.524	80	0.693	0.771	0.052	794.4
350	37/0.0972	0.665	95	0.870	0.941	0.032	1258.0
500	37/0.1142	0.803	95	1.008	1.078	0.021	1769.8
750	61/0.1110	0.976	110	1.213	1.283	0.015	2574.6

Parameter	Value
Operating Voltage	600V
Maximum Operating Temperature	105 °C dry & 75°C wet
Flame Test	VW-1 and FT4
Low Smoke Test	ST1
Halogen Free	IEC60754 IEC60332

Conductor

Type L3 DC power cable has a Class B annealed tinned copper flexible stranded conductor as per ASTM B-33 and B172. A mylar tape is applied over the conductor to facilitate easy stripping.

Insulation

Thermosetting low-smoke, lead-free and silicone-free non-halogenated insulation, rated 105°C.

Protective Layer

Woven cotton braid, saturated with a heat resistant, moisture resistant, and flame retardant compound.

Packaging

The ends of all cables supplied shall be capped or taped to prevent the ingress of moisture during shipping or storage.

Testing

Physical and electrical testing in accordance with the requirements of UL Standard 44, Subject 509 and 758, and CSA Standard C22.2 No. 210.2 M90 as AWM.

Cable Sheath Markings

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 Sequential footage markings shall be applied at two foot intervals on one side of the cable. Add "FOR CT USE" before "(AWM 3578)" on sizes 1/0 AWG and larger.

Certified by



Products are subject to manufacturer tolerances and availability.

www.cablcon.com · 359 Robbins Drive, Troy, MI 48083 · P 800-969-9220 · F 248-588-5813

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Reference

Tested and certified to meet or exceed the following standards:

- Telcordia GR-347-CORE Compliant
- ATIS 0600017.2020 Compliant
- TPR.9212 Compliant
- UL 2731 Telecommunications Central Office Power Cable
- UL Listed Standard 44: Thermoset Insulated Type RHH/RHW/ST1
- UL Listed: For Tray Cable Use (1/0 & Larger)
- FT-4 Flame Test Compliant
- VW-1 Flame Test Compliant
- CSA AWM 1 B 105C
- Zero Halogen
- IEC 60754 and IEC 60332 Compliant
- RoHS / Reach Compliant

RG Flex L3 Telephone Power Cable 600 Volts Class B Stranding - Braided

Size	P/N Gray	P/N Green	P/N Red	P/N Blue	P/N 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



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