

DC POWER 600V RHH/RHW LSZH CABLE

List 4 – Class I 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-0600017.2014. 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 L4, 4/0 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.
8	41/0.0201	0.147	60	0.280	0.342	0.680	98.1
6	65/0.0201	0.192	60	0.315	0.381	0.436	135.3
4	105/0.0201	0.257	60	0.390	0.452	0.274	195.5
2	165/0.0201	0.309	60	0.441	0.508	0.172	278.5
1	210/0.0201	0.346	80	0.512	0.590	0.137	361
1/0	266/0.0201	0.398	80	0.571	0.641	0.109	442.8
2/0	342/0.0201	0.455	80	0.626	0.700	0.087	548.1
4/0	532/0.0201	0.571	80	0.736	0.814	0.055	804.1
350	882/0.0201	0.752	95	0.953	1.027	0.034	1254.9
500	1221/0.0201	0.894	95	1.087	1.157	0.023	1676.0
750	1850/0.0201	1.067	110	1.307	1.382	0.016	2499.6

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 L4 DC Cable has a Class I 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 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

RHH/RHW Marking: RG FLEX L4 NON-HAL (UL) 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

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



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Reference

Tested and certified to meet or exceed the following standards:

- Telcordia GR-347-CORE Compliant
- ATIS 0600017.2014 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 L4 Telephone Power Cable 600 Volts Class I Stranding - Braided

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

