

DC POWER 600V RHH/RHW LSZH CABLE

List 2 – Class I Stranding, 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.



Size AWG or kcmil	Stranding Number /dia (Inch)	Conductor diameter (inches)	Insulation min. Thickness (mils)	Nominal insulation diameter (inches)	Max.d.c.res. @20°C (ohms/ mft.)	Approx. Weight lbs./mft.
18	7/0.0157	0.0472	30	0.106	7.163	11
16	7/0.0197	0.059	30	0.118	4.481	15
14	41/0.0100	0.074	45	0.181	2.728	25.4
12	65/0.0100	0.093	45	0.197	1.719	34.8
10	105/0.0100	0.120	45	0.228	1.079	50.0
8	41/0.0201	0.147	60	0.280	0.680	77.8
6	65/0.0201	0.192	60	0.319	0.436	112.6
4	105/0.0201	0.257	60	0.394	0.274	169.4
2	165/0.0201	0.309	60	0.445	0.172	248.5
1	210/0.0201	0.346	80	0.520	0.137	327
1/0	266/0.0201	0.398	80	0.575	0.109	405.2
2/0	342/0.0201	0.455	80	0.630	0.087	516.5
4/0	532/0.0201	0.571	80	0.748	0.055	754.9
350	882/0.0201	0.752	95	0.965	0.034	1194.1
500	1221/0.0201	0.894	95	1.102	0.023	1606.5
750	1850/0.0201	1.067	110	1.323	0.016	2414.4

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	IEC 60754 IEC 60332

Conductor

Type L2 DC power 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.

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. AWG 18 and 16 comply with UL 66.

Cable Sheath Markings

RHH/RHW Marking: RG Flex L2 NON-HAL(UL) E477980 ___ AWG RHH/RHW 90C DRY AND 75C WET OR AWM 3578 105C 600V VW-1 – FT4-ST1 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.

AWG 16 & 18 RFHH-2 Marking: RG Flex L2 NON-HAL(UL) Exxxxxx0 ___ AWG RFHH-2 90C DRY OR AWM 3578 105C 600V VW-1 – c(UL) AWM I B 105C 600V FT4-ST1 ----Meets IEC60754 & IEC60332 xxx FT

Sequential footage markings shall be applied at two foot intervals on one side of the cable.



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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 Standard 66: Thermoset Insulated Type RFHH-2
- 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 L2 Telephone Power Cable 600 Volts Class I Stranding - No Braid

Size	P/N Gray	P/N Green	P/N Red	P/N Blue	P/N Black
18 STR	18AWG-L2GY	18AWG-L2GN	18AWG-L2RD	18AWG-L2BL	18AWG-L2BK
16 STR	16AWG-L2GY	16AWG-L2GN	16AWG-L2RD	16AWG-L2BL	16AWG-L2BK
14 STR	14AWG-L2GY	14AWG-L2GN	14AWG-L2RD	14AWG-L2BL	14AWG-L2BK
12 STR	12AWG-L2GY	12AWG-L2GN	12AWG-L2RD	12AWG-L2BL	12AWG-L2BK
10 STR	10AWG-L2GY	10AWG-L2GN	10AWG-L2RD	10AWG-L2BL	10AWG-L2BK
8 STR	8AWG-L2GY	8AWG-L2GN	8AWG-L2RD	8AWG-L2BL	8AWG-L2BK
6 STR	6AWG-L2GY	6AWG-L2GN	6AWG-L2RD	6AWG-L2BL	6AWG-L2BK
4 STR	4AWG-L2GY	4AWG-L2GN	4AWG-L2RD	4AWG-L2BL	4AWG-L2BK
2 STR	2AWG-L2GY	2AWG-L2GN	2AWG-L2RD	2AWG-L2BL	2AWG-L2BK
1 STR	1AWG-L2GY	1AWG-L2GN	1AWG-L2RD	1AWG-L2BL	1AWG-L2BK
1/0 STR	1/0-L2GY	1/0-L2GN	1/0-L2RD	1/0-L2BL	1/0-L2BK
2/0 STR	2/0-L2GY	2/0-L2GN	2/0-L2RD	2/0-L2BL	2/0-L2BK
4/0 STR	4/0-L2GY	4/0-L2GN	4/0-L2RD	4/0-L2BL	4/0-L2BK
350 STR	350MCM-L2GY	350MCM-L2GN	350MCM-L2RD	350MCM-L2BL	350MCM-L2BK
500 STR	500MCM-L2GY	500MCM-L2GN	500MCM-L2RD	500MCM-L2BL	500MCM-L2BK
750 STR	750MCM-L2GY	750MCM-L2GN	750MCM-L2RD	750MCM-L2BL	750MCM-L2BK

Tracer cable available upon request

