

# DC POWER 600V RHH/RHW LSZH CABLE

List 2 – Class I Stranding, LSZH, 600V

**RG FLEX**  
TELCORDIA-CERTIFIED DC POWER CABLE

The RG Flex family of telecommunications power products has been tested and approved 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 L2, 2 AWG

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	90°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 90°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.

Certified by  
 Telcordia.



Products are subject to manufacturer tolerances and availability.

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## Reference

Tested and Approved to meet or exceed the following standards:

- Telcordia GR-347-CORE Compliant
- ATIS 0600017.2014 Compliant
- TPR.9212 Compliant
- UL Listed as 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	Cadre P/N Gray	Cadre P/N Green	Cadre P/N Red	Cadre P/N Blue	Cadre P/N Black
18 STR	2.18AWG-Gray	DCP2.18AWG-Green	DCP2.18AWG-Red	DCP2.18AWG-Blue	DCP2.18AWG-Black
16 STR	DCP2.16AWG-Gray	DCP2.16AWG-Green	DCP2.16AWG-Red	DCP2.16AWG-Blue	DCP2.16AWG-Black
14 STR	DCP2.14AWG-Gray	DCP2.14AWG-Green	DCP2.14AWG-Red	DCP2.14AWG-Blue	DCP2.14AWG-Black
12 STR	DCP2.12AWG-Gray	DCP2.12AWG-Green	DCP2.12AWG-Red	DCP2.12AWG-Blue	DCP2.12AWG-Black
10 STR	DCP2.10AWG-Gray	DCP2.10AWG-Green	DCP2.10AWG-Red	DCP2.10AWG-Blue	DCP2.10AWG-Black
8 STR	DCP2.8AWG-Gray	DCP2.8AWG-Green	DCP2.8AWG-Red	DCP2.8AWG-Blue	DCP2.8AWG-Black
6 STR	DCP2.6AWG-Gray	DCP2.6AWG-Green	DCP2.6AWG-Red	DCP2.6AWG-Blue	DCP2.6AWG-Black
4 STR	DCP2.4AWG-Gray	DCP2.4AWG-Green	DCP2.4AWG-Red	DCP2.4AWG-Blue	DCP2.4AWG-Black
2 STR	DCP2.2AWG-Gray	DCP2.2AWG-Green	DCP2.2AWG-Red	DCP2.2AWG-Blue	DCP2.2AWG-Black
1 STR	DCP2.1AWG-Gray	DCP2.1AWG-Green	DCP2.1AWG-Red	DCP2.1AWG-Blue	DCP2.1AWG-Black
1/0 STR	DCP2.1/0-Gray	DCP2.1/0-Green	DCP2.1/0-Red	DCP2.1/0-Blue	DCP2.1/0-Black
2/0 STR	DCP2.2/0-Gray	DCP2.2/0-Green	DCP2.2/0-Red	DCP2.2/0-Blue	DCP2.2/0-Black
4/0 STR	DCP2.4/0-Gray	DCP2.4/0-Green	DCP2.4/0-Red	DCP2.4/0-Blue	DCP2.4/0-Black
350 STR	DCP2.350MCM-Gray	DCP2.350MCM-Green	DCP2.350MCM-Red	DCP2.350MCM-Blue	DCP2.350MCM-Black
500 STR	DCP2.500MCM-Gray	DCP2.500MCM-Green	DCP2.500MCM-Red	DCP2.500MCM-Blue	DCP2.500MCM-Black
750 STR	DCP2.750MCM-Gray	DCP2.750MCM-Green	DCP2.750MCM-Red	DCP2.750MCM-Blue	DCP2.750MCM-Black

Tracer cable available upon request



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