

DC POWER 600V RHH/RHW LSZH CABLE

List 3 – Class B Stranding, Cloth Jacketed, 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 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	90 °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 90°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
 Telcordia.



Products are subject to manufacturer tolerances and availability.

www.cadreindustries.com sales@cadrewire.com

150 Keystone Dr, Montgomeryville PA 18936 P 866-456-9473

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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: 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	Cadre P/N Gray	Cadre P/N Green	Cadre P/N Red	Cadre P/N Blue	Cadre P/N Black
14 STR	DCP3.14AWG-Gray	DCP3.14AWG-Green	DCP3.14AWG-Red	DCP3.14AWG-Blue	DCP3.14AWG-Black
12 STR	DCP3.12AWG-Gray	DCP3.12AWG-Green	DCP3.12AWG-Red	DCP3.12AWG-Blue	DCP3.12AWG-Black
10 STR	DCP3.10AWG-Gray	DCP3.10AWG-Green	DCP3.10AWG-Red	DCP3.10AWG-Blue	DCP3.10AWG-Black
8 STR	DCP3.8AWG-Gray	DCP3.8AWG-Green	DCP3.8AWG-Red	DCP3.8AWG-Blue	DCP3.8AWG-Black
6 STR	DCP3.6AWG-Gray	DCP3.6AWG-Green	DCP3.6AWG-Red	DCP3.6AWG-Blue	DCP3.6AWG-Black
4 STR	DCP3.4AWG-Gray	DCP3.4AWG-Green	DCP3.4AWG-Red	DCP3.4AWG-Blue	DCP3.4AWG-Black
2 STR	DCP3.2AWG-Gray	DCP3.2AWG-Green	DCP3.2AWG-Red	DCP3.2AWG-Blue	DCP3.2AWG-Black
1 STR	DCP3.1AWG-Gray	DCP3.1AWG-Green	DCP3.1AWG-Red	DCP3.1AWG-Blue	DCP3.1AWG-Black
1/0 STR	DCP3.1/0-Gray	DCP3.1/0-Green	DCP3.1/0-Red	DCP3.1/0-Blue	DCP3.1/0-Black
2/0 STR	DCP3.2/0-Gray	DCP3.2/0-Green	DCP3.2/0-Red	DCP3.2/0-Blue	DCP3.2/0-Black
4/0 STR	DCP3.4/0-Gray	DCP3.4/0-Green	DCP3.4/0-Red	DCP3.4/0-Blue	DCP3.4/0-Black
350 STR	DCP3.350MCM-Gray	DCP3.350MCM-Green	DCP3.350MCM-Red	DCP3.350MCM-Blue	DCP3.350MCM-Black
500 STR	DCP3.500MCM-Gray	DCP3.500MCM-Green	DCP3.500MCM-Red	DCP3.500MCM-Blue	DCP3.500MCM-Black
750 STR	DCP3.750MCM-Gray	DCP3.750MCM-Green	DCP3.750MCM-Red	DCP3.750MCM-Blue	DCP3.750MCM-Black

Tracer cable available upon request



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