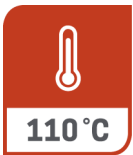




# RP 585 Power Cables

## XLPO, 600V & 2000V, -55°C to +110°C

- Highly Engineered EXTRAD® Irradiation Crosslinked XLPO Insulation System
- Superior Fluid Resistance and Durability
- Very Flexible Insulation Materials
- Conformance to Applicable North American and European Rail Transit Standards including AAR RP-585/S-501
- Flame Retardant
- NFPA 130 Compliance

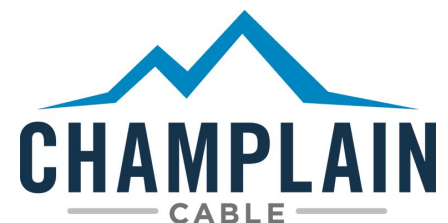
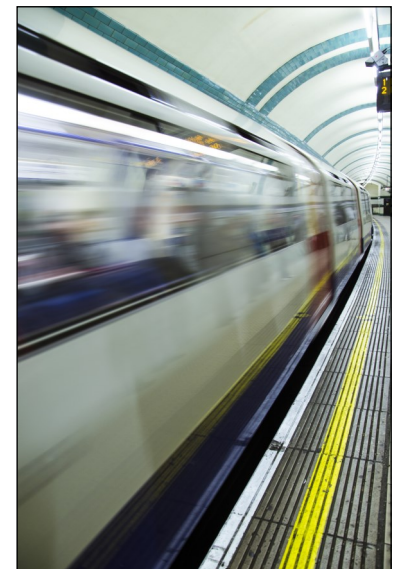


### CABLE CONSTRUCTION:

**Conductor:** Flexible AWG TC Stranding in accordance with ASTM B-33, AAR S-501, RP-585 and NYCT-TX

**Insulation:** EXTRAD RAIL RSX irradiation cross-linked insulation system

**Print:** As required, including part number, date of manufacture and traceability





# RP 585 Power Cables

## XLPO, 600V & 2000V, -55°C to +110°C

### APPLICATIONS / STANDARDS:

- AAR RP-585/S-501 – Wiring and Cable Specification (applicable sections)
- NFPA 130 – Standard for Fixed Guideway Transit and Passenger Rail Systems – 2020
  - Section 8.6.7.1.1.1
  - FT4/IEEE1202 Flame Testing of Cables for use in Cable Tray
  - ANSI/UL 1685 – for total smoke released and peak smoke release rate
- Passes UL VW-1 Flame Test and ICEA S-95-658 with less than 3 seconds after burn
- 49 CFR Part 238 – Passenger Equipment Safety Standards: Smoke Generation
- ASTM E662 – Optical Density of Smoke Generated by Solid Materials
- BSS 7239 – Combustion Toxicity for Wire and Cable

## 600V

Product Number	AWG (TC)	AAR Stranding	Conductor Diameter	Conductor Resistance Max @ 25C	Insulation Wall	Finished OD	Net Weight lbs/KFT
EXRAD-RP-600V-18	18	19/30	0.044	6.21	0.032	0.108	10
EXRAD-RP-600V-16	16	19/29	0.052	4.79	0.032	0.116	13
EXRAD-RP-600V-14	14	19/27	0.066	3.04	0.032	0.130	18
EXRAD-RP-600V-14b	14	37/30	0.070	3.22	0.032	0.134	18
EXRAD-RP-600V-12	12	19/25	0.081	1.91	0.032	0.145	25
EXRAD-RP-600V-12b	12	37/.0133	0.093	1.75	0.032	0.157	28
EXRAD-RP-600V-10	10	27/24	0.110	1.05	0.032	0.174	38
EXRAD-RP-600V-8	8	37/24	0.141	0.750	0.047	0.235	63
EXRAD-RP-600V-6	6	61/24	0.185	0.436	0.047	0.279	101
EXRAD-RP-600V-4	4	105/24	0.260	0.275	0.047	0.354	159
EXRAD-RP-600V-2	2	150/24	0.318	0.193	0.047	0.412	217
EXRAD-RP-600V-1	1	225/24	0.350	0.130	0.057	0.464	311
EXRAD-RP-600V-1/0	1/0	275/24	0.393	0.107	0.065	0.523	397



# RP 585 Power Cables

**XLPO, 600V & 2000V, -55°C to +110°C**

**2,000V**

Product Number	AWG (TC)	AAR Stranding	Conductor Diameter	Conductor Resistance Max @ 25C	Insulation Wall	Finished OD	Net Weight lbs/KFT
EXRAD-RP-2000V-18	18	19/30	0.044	6.21	0.047	0.138	14
EXRAD-RP-2000V-16	16	19/29	0.052	4.79	0.047	0.146	16
EXRAD-RP-2000V-14	14	37/30	0.070	3.22	0.047	0.164	22
EXRAD-RP-2000V-12	12	19/25	0.081	1.91	0.047	0.175	30
EXRAD-RP-2000V-12b	12	37/.0133	0.093	1.75	0.047	0.187	33
EXRAD-RP-2000V-10	10	27/24	0.110	1.05	0.047	0.204	44
EXRAD-RP-2000V-8	8	37/24	0.141	0.750	0.057	0.255	68
EXRAD-RP-2000V-6	6	61/24	0.185	0.436	0.057	0.299	107
EXRAD-RP-2000V-4	4	105/24	0.260	0.275	0.057	0.374	166
EXRAD-RP-2000V-2	2	150/24	0.318	0.193	0.057	0.432	226
EXRAD-RP-2000V-1	1	225/24	0.350	0.130	0.069	0.488	323
EXRAD-RP-2000V-1/0	1/0	275/24	0.393	0.107	0.069	0.531	401
EXRAD-RP-2000V-2/0	2/0	325/24	0.452	0.091	0.069	0.590	499
EXRAD-RP-2000V-3/0	3/0	450/24	0.500	0.066	0.110	0.720	656
EXRAD-RP-2000V-4/0	4/0	550/24	0.545	0.054	0.110	0.765	811
EXRAD-RP-2000V-262	262	650/24	0.625	0.0456	0.110	0.845	969
EXRAD-RP-2000V-313	313	775/24	0.706	0.0376	0.110	0.926	1149
EXRAD-RP-2000V-373	373	925/24	0.745	0.0313	0.110	0.965	1364
EXRAD-RP-2000V-444	444	1100/24	0.820	0.0264	0.110	1.040	1602
EXRAD-RP-2000V-535	535	1325/24	0.895	0.0220	0.125	1.145	1939



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