



# EXRAD-RSX Transit Wire

**XLPO, 600V & 2000V, -55°C to +125°C**

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

## CABLE CONSTRUCTION:

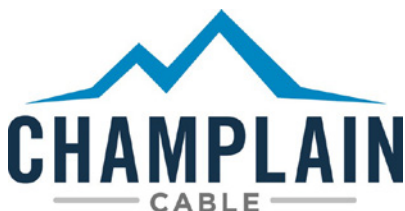
**Conductor:** Flexible AWG TC in accordance with ASTM B-33, AAR S-501, RP-585 and NYCT-TX

**Insulation:** EXRAD RAIL RSX irradiation cross-linked XLPO insulation system

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

## APPLICATIONS / STANDARDS:

- NYCT-TX - Approved by NYCT.
- AAR RP-585/S-501 – Wiring and Cable Specification
- NFPA 130 – Standard for Fixed Guideway Transit and Passenger Rail Systems – 2023
  - 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



**Partnered Distributor**



# EXRAD-RSX Transit Wire

## 600V

Product Number	AWG (TC)	TX Stranding	Conductor Diameter	Conductor Resistance Max @ 25C	Min Ave. Insulation Wall	Finished OD (nom)	Net Weight lbs/KFT (nom)
EXRAD -RSX -600V -18	18	19/30	0.044	6.21	0.030	0.108	10
EXRAD -RSX -600V -16	16	19/29	0.049	4.79	0.030	0.113	13
EXRAD -RSX -600V -14	14	19/27	0.065	3.04	0.030	0.129	18
EXRAD -RSX -600V -14b	14	37/30	0.070	3.22	0.030	0.134	18
EXRAD -RSX -600V -12	12	19/25	0.078	1.91	0.030	0.142	25
EXRAD -RSX -600V -12b	12	37/.0133	0.093	1.75	0.030	0.157	28
EXRAD -RSX -600V -10	10	27/24	0.107	1.05	0.030	0.171	38
EXRAD -RSX -600V -8	8	37/24	0.130	0.750	0.045	0.230	63
EXRAD -RSX -600V -6	6	61/24	0.185	0.463	0.045	0.285	102
EXRAD -RSX -600V -4	4	105/24	0.260	0.275	0.045	0.360	152
EXRAD -RSX -600V -2	2	150/24	0.315	0.193	0.045	0.415	222
EXRAD -RSX -600V -1	1	225/24	0.350	0.130	0.052	0.464	311
EXRAD -RSX -600V -1/0	1/0	273/24	0.392	0.107	0.052	0.522	396

## 2,000V

Product Number	AWG (TC)	TX Stranding	Conductor Diameter	Conductor Resistance Max @ 25C	Min Ave. Insulation Wall	Finished OD (nom)	Net Weight lbs/KFT (nom)
EXRAD -RSX -2000V -18	18	19/30	0.044	6.21	0.045	0.138	14
EXRAD -RSX -2000V -16	16	19/29	0.049	4.79	0.045	0.143	17
EXRAD -RSX -2000V -14	14	19/27	0.062	3.22	0.045	0.156	23
EXRAD -RSX -2000V -12	12	19/25	0.078	1.91	0.045	0.172	32
EXRAD -RSX -2000V -12b	12	37/.0133	0.093	1.75	0.045	0.187	33
EXRAD -RSX -2000V -10	10	27/24	0.107	1.05	0.045	0.201	52
EXRAD -RSX -2000V -8	8	37/24	0.130	0.750	0.055	0.250	75
EXRAD -RSX -2000V -6	6	61/24	0.185	0.463	0.055	0.305	109
EXRAD -RSX -2000V -4	4	105/24	0.260	0.275	0.055	0.380	166
EXRAD -RSX -2000V -2	2	150/24	0.315	0.193	0.055	0.435	252
EXRAD -RSX -2000V -1	1	225/24	0.350	0.130	0.065	0.488	323
EXRAD -RSX -2000V -1/0	1/0	273/24	0.392	0.107	0.065	0.532	383
EXRAD -RSX -2000V -2/0	2/0	323/24	0.440	0.091	0.065	0.580	479
EXRAD -RSX -2000V -3/0	3/0	454/24	0.545	0.066	0.065	0.685	594
EXRAD -RSX -2000V -4/0	4/0	551/24	0.570	0.054	0.065	0.710	771
EXRAD -RSX -2000V -262	262	646/24	0.627	0.046	0.105	0.851	951
EXRAD -RSX -2000V -313	313	777/24	0.695	0.038	0.105	0.919	1166
EXRAD -RSX -2000V -373	373	925/24	0.745	0.032	0.105	0.965	1364
EXRAD -RSX -2000V -444	444	1110/24	0.820	0.026	0.105	1.050	1611
EXRAD -RSX -2000V -535	535	1332/24	0.895	0.0220	0.105	1.135	1927

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