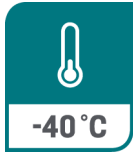
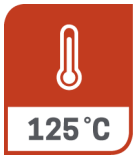




# RTW Thin Wall Rail Car Wire

TX-TW, 600V, -40°C to +125°C,

- EXRAD® RTW Irradiation Cross-linked Insulation System
- Best-In-Class Flexibility
- Static Bend Radius 4x OD
- Superior Fluid Resistance and Durability
- NYCT TX-TW, Issue 1
- Up to 33% Smaller vs Standard Power Cable
- Space and Weight Savings
- 10AWG to 22AWG

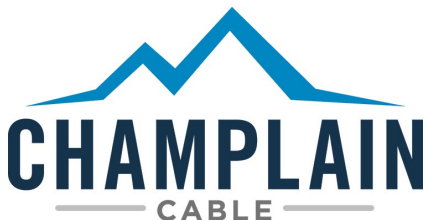


## CABLE CONSTRUCTION:

**Conductor:** Flexible AWG TC Stranding meeting NYCT TX-TW

**Insulation:** EXRAD RTW Irradiation Cross-linked insulation system

**Print:** Champlain Cable 1C ##AWG 600V EXRAD TRANSIT TX-TW 20-92-2100 XXXXX MM/YYYY ZZZZ  
MM/YYYY = date of mfr, ZZZZ = sequential footage marker, XXXXX = Audit Sheet number  
## = AWG size





# RTW

## Thin Wall Rail Car Wire

### CONFORMANCE TO PERFORMANCE STANDARDS:

**NYCT specification TX-TW - Irradiated Polyolefin & Fluoropolymer Jacketed Thin Wall Wire**

**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**

**AAR RP-585—Wiring and Cable specification (applicable sections)**

Product Number	AWG (Tin Copper)	Conductor		Wall Thickness	Finished OD Nom. / Max.	Weight LBS/KFT
		OD	Resistance*			
EXRAD-RTW-22	22 (19/34)	0.030	15.85	0.015	0.060 / 0.063	3.7
EXRAD-RTW-20	20 (19/32)	0.038	9.7	0.015	0.068 / 0.071	5.4
EXRAD-RTW-18	18 (19/30)	0.048	6.21	0.015	0.078 / 0.080	7.8
EXRAD-RTW-16	16 (19/29)	0.054	4.79	0.015	0.084 / 0.087	9.6
EXRAD-RTW-14	14 (19/27)	0.067	3.04	0.015	0.095 / 0.097	14.5
EXRAD-RTW-12	12 (19/25)	0.085	1.91	0.015	0.115 / 0.118	22.0
EXRAD-RTW-10	10 (27/24)	0.116	1.05	0.015	0.146 / 0.155	38.0

All weights and dimensions Imperial units (inches/ pounds), Nominal

\* Ohms / KFT at 25°C

We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product combination for their own purpose. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss and damage arising from the handling and use of our products whether used alone or in combination with other products

**Manufacturing Locations:**

**Colchester, Vermont**

**El Paso, Texas**

**[www.champcable.com](http://www.champcable.com)**