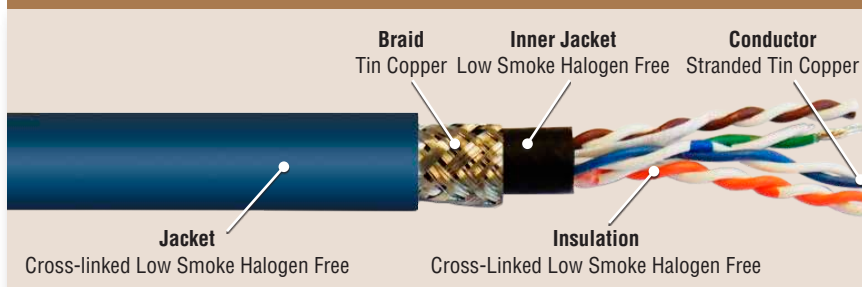




# Exane® CAT 6

## 4 Pairs 24 AWG, Train car applications

### NFPA 130 Compliant



Low Smoke Zero Halogen 90°C  
EIA/TIA 568-C.2 for CAT 6, 100 Ohms  
RSCC TD-009730

### Features

- Thermoset LSHF Insulation and outer Jacket
- Superior mechanical properties
- Ruggedized construction, excellent mechanical toughness
- Operating temperature -40°C to 90°C
- Passes temperature cycling test -30°C to +125°C, 250 cycles
- Ozone resistance
- Tested to the following RP-585 tests: Abrasion test, Notch Propagation, Crush, 26 weeks long term water, Cut through

### Performance Standards

- EIA/TIA 568-C.2 for Category 6 cables
- Passes the spread of fire and smoke emissions test requirements for low voltage wire and cable in accordance with NFPA 130-2014 Article 8.6.7.1.1 for transit vehicle application. Passes UL 1685 flame test with IEEE 1202/FT4 Flame Method and smoke measurement.
- Passes the flame test requirement of 49 Code of Federal Regulations (CFR), Part 238 Appendix B, in accordance with NEMA WC 3/ICEA S-19-81, paragraph 6.19.6.
- Passes the smoke test requirement of 49 Code of Federal Regulations (CFR), Part 238, Appendix B, in accordance with ASTM E662-97
- Passes Toxicity Test requirements when tested in accordance with Boeing Specification Support Standard (BSS) 7239
- ROHS and Reach compliant

### Scope

RSCC Exane® CAT 6 TD-009730 is designed to operate on train cars, LRV, and people mover applications. It employs a rugged thermoset low smoke halogen free insulation and jacket compounds. The thermoset material provides superior resistance to abrasion, fire and moisture. It may be installed in wet or dry locations. The cable complies with train cars specifications such as NFPA 130, ICEA S-19-81, ASTM E662, BSS 7239 and parts of RP-585.

### Construction

**Conductor:** Stranded Tin Copper 24 AWG (7/32)

**Insulation:** Cross-Linked Low Smoke Halogen Free insulation

**Color Code:** Pair #1: Brown      Brown/White  
 Pair #2: Orange      Orange/White  
 Pair #3: Green      Green/White  
 Pair #4: Blue      Blue/White

**Pairs:** Two Conductors twisted together with a varying lay

**Core Assembly:** Four twisted pairs cabled together

**Inner Jacket:** Black, Low Smoke Halogen Free

**Braid:** 36 AWG, Tin Copper

**Outer Jacket:** Dark Blue, Cross-Linked Low Smoke Halogen Free Jacket



Typical installation employs M12 connector, contact RSCC for more information.

### Exane CAT 6 TD-009730, 4 Pairs 24 AWG

RSCC Part Number	Number of pairs	Conductor stranding	Conductor size (mils)	Insulated Conductor size (mils)	Jacket Wall (mils)	Overall Size (inch)	Weight (lbs/1000 ft)	Bend Radius (Installed/during installation) inch
ED08024-009	4	7/32	24	42	35	0.342	57	3.5/5.25



Marmon Engineered Wire & Cable LLC  
A Berkshire Hathaway Company