



Low Smoke Zero Halogen 90°C  
IEC 61156-6 for CAT 7, 100 Ohms  
RSCC TD-010230

### Features

- LSHF Insulation and Thermoset LSHF 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, Cut through

### Performance Standards

- IEC 61156-6 for Category 7 cables
- Passes the spread of fire and smoke emissions test requirements for low voltage wire and cable in accordance with NFPA 130-2017 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

### Construction

- Conductor:** Stranded Tin Copper 24 AWG (7/32)
- Insulation:** Foam PE 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 foil shield
- Core Assembly:** Four twisted pairs cabled together
- 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 7 TD-010230, 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
ED08024-010	4	7/32	24	55	35	0.342	55	3.5/5.25