



Low Smoke Zero Halogen 90°C  
EIA/TIA 568-C.2 for CAT 6A, 100 Ohms  
RSCC TD-010572

### 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

- EIA/TIA 568-C.2 for Category 6A cables
- Passes the spread of fire and smoke emissions test requirements for low voltage wire and cable in accordance with NFPA 130-2020 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 23 AWG (7/31)

**Insulation:** Foam PE Low Smoke Halogen Free insulation

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

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

**Core Assembly:** Four twisted pairs cabled together with a foil shield and LSZH cross-web separator

**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 6A TD-010572, 4 Pairs 23 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
ED08023-001	4	7/31	26	53	22	0.340	72	3.5/5.25