

# EXANE® CAT 5E

## 2 Pairs 22 AWG, NFPA 130 Compliant



90 °C • 100 Ohms • Low Smoke Zero Halogen • Train Car Applications  
EIA/TIA 568-C.2 for CAT 5E • TD-008682

### FEATURES

- Thermoset LSHF Insulation and 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 5e 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 WC3/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 22 AWG (7/30)**

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

**Color Code: Pair #1: White/Orange Orange**

**Pair #2: White/Green Green**

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

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

**Braid: 36 AWG, Tin Copper**

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

\*Typical installation employs M12 connector, contact Electro Wire for more information.



### EXANE CAT 5E TD-008682, 2 Pairs 22 AWG

| Part Number | Number of Pairs | Conductor Stranding | Conductor Size MILS | Insulated Cond. Size MILS | Jacket Wall MILS | Overall Size IN | Weight LBS/ 1000 FT | Bend Radius IN |
|-------------|-----------------|---------------------|---------------------|---------------------------|------------------|-----------------|---------------------|----------------|
| ED04022-003 | 2               | 7/30                | 30                  | 62                        | 35               | 0.315           | 53                  | 3.15/6.3       |

Exane® is a registered trademark RSCC Wire & Cable LLC

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#### BOSTON

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#### ATLANTA

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Alpharetta, GA 30005  
678.297.1080

#### PHOENIX

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Tempe, AZ 85281  
623.478.8700

# EXANE® CAT 5E

## 4 Pairs 24 AWG, NFPA 130 Compliant



90 °C • 100 Ohms • Low Smoke Zero Halogen • Train Car Applications  
EIA/TIA 568-C.2 for CAT 5E • TD-009069

### FEATURES

- Thermoset LSHF Insulation and 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 5e 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 WC3/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

Exane® CAT 5E TD-009069 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/White      Brown      Pair #3: Green/White      Green  
 Pair #2: Orange/White      Orange      Pair #4: Blue/White      Blue

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

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

**Braid:** 36 AWG, Tin Copper

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

\*Typical installation employs M12 connector, contact Electro Wire for more information.



### EXANE CAT 5E TD-009069, 4 Pairs 24 AWG

| Part Number | Number of Pairs | Conductor Stranding | Conductor Size MILS | Insulated Cond. Size MILS | Jacket Wall MILS | Overall Size IN | Weight LBS/1000 FT | Bend Radius IN |
|-------------|-----------------|---------------------|---------------------|---------------------------|------------------|-----------------|--------------------|----------------|
| ED08024-008 | 4               | 7/32                | 24                  | 49                        | 35               | 0.342           | 54                 | 3.5/5.25       |

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