



Low Smoke Zero Halogen 90°C
EIA/TIA 568-C.2 for CAT 5E, 100 Ohms
RSCC 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 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:** 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
- Braid:** 36 AWG, Tin Copper
- Outer Jacket:** Black, Cross-Linked Low Smoke Halogen Free Jacket



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

Exane CAT 5E TD-009069, 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 |
|------------------|-----------------|---------------------|-----------------------|---------------------------------|--------------------|---------------------|----------------------|--|
| ED08024-008 | 4 | 7/32 | 24 | 49 | 35 | 0.342 | 54 | 3.5/5.25 |



Marmon Engineered Wire & Cable LLC
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