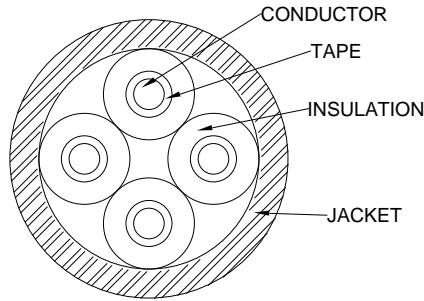


VITALink®

18 AWG 4-Conductor Circuit Integrity Cable



1. Construction:

- 1.1. Conductors: 18 AWG (0.82 mm²) Solid Bare Copper, 0.0403" (1.02 mm) Nominal Diameter
- 1.2. Tape: Flame Retardant Tape
- 1.3. Insulation: Low Smoke Zero Halogen Thermoset Fire-Roc® 0.118" (3.00 mm) Nominal Diameter & 0.029" (0.74 mm) Nominal Wall Thickness
- 1.4. Color Code: Black, Printed
- 1.5. Cable Assembly: Cable (4) Conductors
- 1.6. Jacket: Non-Halogen Flame Retardant Polyolefin Compound, Nominal Overall Diameter, 0.357" (9.07 mm), Nominal Wall Thickness 0.035" (0.89 mm)
Color: RED

1.7. Jacket Print:

COMTRAN LSZH VITALink® FPL-ST1 CM-ST1 CL3-ST1 4/C 18AWG 105C SUN RES WET FRR-2HR FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX VOLTAGE 72V PN36673 --- (MMYY) 000002 (01-12345)

NOTE: MMYY is 4 Digit Month/Year Sequential Footage Markings Every Two Feet (01-12345)- Traceability Marking

2. Compliance:



- 2.1. (UL) Listed Type FPL-ST1
- 2.2. (UL) Listed Type CM-ST1
- 2.3. (UL) Listed CL3-ST1
- 2.4. UL Subject 1424 Power Limited Fire Alarm Circuits; 300 V/105°C Classified
- 2.5. UL Subject 13 Power Limited Circuit Cables; 300V/105°C Classified
- 2.6. UL Subject 444 Communications Cable, 300V/105°C Classified
- 2.7. ANSI/UL 2196 2-Hour Fire Rating for use in FHIT System 40A
- 2.8. CAN/ULC-S139 2-Hour Fire Rating with Hose Stream for use in FHIT7 System 40A
- 2.9. NFPA 70 & 72
- 2.10. NFPA 130
- 2.11. NFPA 502
- 2.12. California State Fire Marshal Approved
- 2.13. RoHS Compliant

3. Physical Characteristics:

- 3.1. Nominal Weight per 1000 FT: 66.2 Lbs. (30 kg)
- 3.2. Min Bend Radius: 3.50" (88.9 mm)
- 3.3. Maximum Pull Tension – Straight runs: 52 Lbs. (23.6 kg)

4. Electrical Characteristics:

- 4.1. Nominal Conductor DCR @ 68F (20 °C): 6.51 Ω /1,000 Ft.

| | | | | | | | |
|----------------|----------|--|------|---|--|---|--|
| TITLE: | | DESCRIPTION: | | COMTRAN 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839 | |  COMTRAN Innovative Systems. Engineered Solutions.  A Marmon Wire & Cable/Berkshire Hathaway Company | |
| DS36673 | | 18 AWG Solid 4 Conductor VITALink® Circuit Integrity Cable | | | | | |
| Rev | Date | Detail | Eng. | App. | | | |
| | | | | | | | |
| 02 | 06/13/22 | Update print | PB | MW | | | |
| 01 | 09/15/21 | Initial Drawing | PB | KB | | | |

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