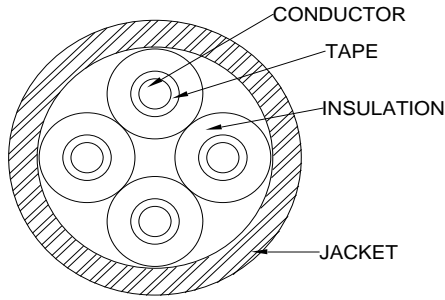


# VITALink®

## 12 AWG 4-Conductor Circuit Integrity Cable



### 1. Construction:

- 1.1. Conductors: 12 AWG (3.30 mm<sup>2</sup>) Solid Bare Copper, 0.080" (2.032 mm) Nominal Diameter
- 1.2. Tape: Flame Retardant Tape
- 1.3. Insulation: Low Smoke Zero Halogen Thermoset Fire-Roc® 0.158" (4.01 mm) Nominal Diameter & 0.029" (0.73 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, 0.465" (11.81 mm), Nominal Wall Thickness 0.042" (1.07 mm)  
Color: RED

#### 1.7. Jacket Print:

COMTRAN LSZH VITALink® FPL-ST1 CL3-ST1  
4/C 12 AWG 105C SUN RES WET FRR-2HR  
FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX  
VOLTAGE 72V PN36685 --- (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 CL3-ST1
- 2.3. UL Subject 1424 Power Limited Fire Alarm Circuits; 300 V/105°C Classified
- 2.4. UL Subject 13 Power Limited Circuit Cables; 300V/105°C Classified
- 2.5. ANSI/UL 2196 2-Hour Fire Rating for use in FHIT System 40A
- 2.6. CAN/ULC-S139 2-Hour Fire Rating with Hose Stream for use in FHIT7 System 40A
- 2.7. NFPA 70 & 72
- 2.8. NFPA 130
- 2.9. NFPA 502
- 2.10. California State Fire Marshal Approved
- 2.11. RoHS Compliant

### 3. Physical Characteristics:

- 3.1. Nominal Weight per 1000 FT: 147 Lbs. (66.7 kg)
- 3.2. Min Bend Radius: 4.5" (114.3 mm)
- 3.3. Maximum Pull Tension – Straight runs: 204.8 Lbs. (92.9 kg)

### 4. Electrical Characteristics:

- 4.1. Nominal Conductor DCR @ 68F (20 °C): 1.64 Ω /1,000 Ft.

|                |          |  |      |   |  |  |  |
|----------------|----------|--|------|---|--|--|--|
| <b>TITLE:</b>  |          | <b>DESCRIPTION:</b>  |      | <b>COMTRAN</b><br><b>330A Turner Street</b><br><b>South Attleboro, MA 02703</b><br><b>Phone: 508-399-7004</b><br><b>Fax: 508-399-8839</b> |  |  <b>COMTRAN</b><br><small>Innovative Systems. Engineered Solutions.</small><br><br><small>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</small> |  |
| <b>DS36685</b> |          | 12 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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