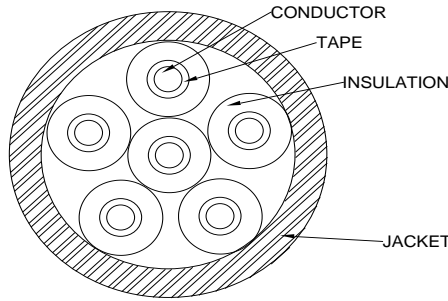


# VITALink®

## 12 AWG 6-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 (6) Conductors
- 1.6. Jacket: Non Halogen Flame Retardant Polyolefin Compound, Nominal Overall Diameter, 0.558" (14.17 mm), Nominal Wall Thickness 0.042" (1.07 mm) Color: RED

#### 1.7. Jacket Print:

COMTRAN LSZH VITALink® FPL-ST1 CL3-ST1  
6/C 12 AWG 105C SUN RES WET FRR-2HR  
FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX  
VOLTAGE 72V PN36686 --- (MMYY) 000002 (01-12345)

NOTE: MMY 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: 209 Lbs. (94.8 kg)
- 3.2. Min Bend Radius: 5.50" (139.7 mm)
- 3.3. Maximum Pull Tension – Straight runs: 307 Lbs. (139.25 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> 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 <b>COMTRAN</b> Innovative Systems. Engineered Solutions.  A Marmon Wire & Cable/Berkshire Hathaway Company	
<b>DS36686</b>		12 AWG Solid 6 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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