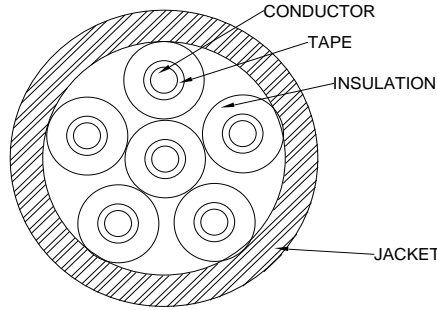


# VITALink®

## 18 AWG 6-Conductor Circuit Integrity Cable



### 1. Construction:

- 1.1. Conductors: 18 AWG (0.82 mm<sup>2</sup>) 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 (6) Conductors
- 1.6. Jacket: Non-Halogen Flame Retardant Polyolefin Compound, Nominal Overall Diameter, 0.439" (11.15 mm), Nominal Wall Thickness 0.042" (1.07 mm)  
Color: RED

1.7. **Jacket Print:**  
 COMTRAN LSZH VITALink® FPL-ST1 CM-ST1 CL3-ST1 6/C 18AWG 105C SUN RES WET FRR-2HR FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX VOLTAGE 72V PN36674 --- (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 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: 98 Lbs. (44.45 kg)
- 3.2. Min Bend Radius: 4.25" (107.95 mm)
- 3.3. Maximum Pull Tension – Straight runs: 78 Lbs. (35.4 kg)

### 4. Electrical Characteristics:

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

<b>TITLE:</b>		<b>DESCRIPTION:</b>		<b>COMTRAN</b> <b>330A Turner Street</b> <b>South Attleboro, MA 02703</b> <b>Phone: 508-399-7004</b> <b>Fax: 508-399-8839</b>		 <b>COMTRAN</b> <small>Innovative Systems. Engineered Solutions.</small>  <small>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</small>	
<b>DS36674</b>		18 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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