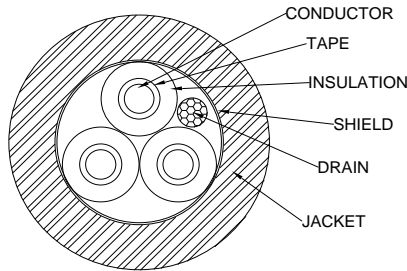


# VITALink®

## 14 AWG 3-Conductor Shielded Circuit Integrity Cable



### 1. Construction:

- 1.1. Conductors: 14 AWG (2.08 mm<sup>2</sup>) Solid Bare Copper, 0.0641" (1.63 mm) Nominal Diameter
- 1.2. Tape: Flame Retardant Tape
- 1.3. Insulation: Low Smoke Zero Halogen Thermoset Fire-Roc® 0.142" (3.61 mm) Nominal Diameter & 0.029" (0.74 mm) Nominal Wall Thickness
- 1.4. Color Code: Black, Printed
- 1.5. Cable Assembly: Cable (3) Conductors
- 1.6. Drain: 18 AWG (0.82 mm<sup>2</sup>) Stranded Bare Copper
- 1.7. Shield: Copper/Polyester Tape
- 1.8. Jacket: Non Halogen Flame Retardant Polyolefin Compound, Nominal Overall Diameter, 0.397" (10.08 mm), Nominal Wall Thickness 0.042" (1.07 mm)  
Color: RED

#### 1.9. Jacket Print:

COMTRAN LSZH VITALink® FPLR-ST1 CL3R-ST1 3/C  
14AWG SHLD 105C FT4 SUN RES WET or CSA  
FAS105 FT4 ST1 LL14444 FRR-2HR  
FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX  
VOLTAGE 72V PN36668 --- (MMYY) 000002 (01-12345)

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

### 2. Compliance:



- 2.1. (UL) Listed Type FPLR-ST1
- 2.2. (UL) Listed CL3R-ST1
- 2.3. CSA Listed FAS 105 FT4 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. ANSI/UL 2196 2-Hour Fire Rating for use in FHIT System 40A
- 2.7. CAN/ULC-S139 2-Hour Fire Rating with Hose Stream for use in FHIT7 System 40A
- 2.8. NFPA 70 & 72
- 2.9. NFPA 130
- 2.10. NFPA 502
- 2.11. California State Fire Marshal Approved
- 2.12. RoHS Compliant

### 3. Physical Characteristics:

- 3.1. Nominal Weight per 1000 FT: 99.8 Lbs. (45.3 kg)
- 3.2. Min Bend Radius: 4.0" (101.6 mm)
- 3.3. Maximum Pull Tension – Straight runs: 98.6 Lbs. (44.7 kg)

### 4. Electrical Characteristics:

- 4.1. Nominal Conductor DCR @ 68F (20 °C): 2.6 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>DS36668</b>		14 AWG Solid 3 Conductor Shielded VITALink® Circuit Integrity Cable					
Rev	Date	Detail		Eng.	App.		
01	09/13/21	Initial Drawing		PB	KB		