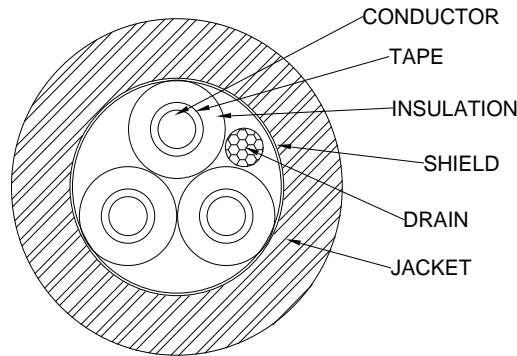


# VITALink®

## 18 AWG 3-Conductor Shielded 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 (3) Conductors
- 1.6. Drain: 20 AWG (0.52 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, 0.331" (8.41 mm), Nominal Wall Thickness 0.035" (0.89 mm) Color: RED

#### 1.9. Jacket Print:

COMTRAN LSZH VITALink® FPLR-ST1 CMR-ST1 CL3R-ST1 3/C 18AWG SHLD 105C FT4 SUN RES WET or CSA FAS105 FT4 ST1 LL14444 FRR-2HR FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX VOLTAGE 72V PN36660 --- (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 FPLR-ST1
- 2.2. (UL) Listed Type CMR-ST1
- 2.3. (UL) Listed CL3R-ST1
- 2.4. CSA Listed FAS 105 FT4 ST1
- 2.5. UL Subject 1424 Power Limited Fire Alarm Circuits; 300 V/105°C Classified
- 2.6. UL Subject 13 Power Limited Circuit Cables; 300V/105°C Classified
- 2.7. UL Subject 444 Communications Cable, 300V/105°C Classified
- 2.8. ANSI/UL 2196 2-Hour Fire Rating for use in FHIT System 40A
- 2.9. CAN/ULC-S139 2-Hour Fire Rating with Hose Stream for use in FHIT7 System 40A
- 2.10. NFPA 70 & 72
- 2.11. NFPA 130
- 2.12. NFPA 502
- 2.13. California State Fire Marshal Approved
- 2.14. RoHS Compliant

### 3. Physical Characteristics:

- 3.1. Nominal Weight per 1000 FT: 61 Lbs. (27.7 kg)
- 3.2. Min Bend Radius: 3.25" (82.55 mm)
- 3.3. Maximum Pull Tension – Straight runs: 39 Lbs. (17.7 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>	
<h1>DS36660</h1>		18 AWG Solid 3 Conductor Shielded VITALink® Circuit Integrity Cable					
Rev	Date	Detail	Eng.	App.			
01	09/07/21	Initial Drawing	PB	KB			

Comtran reserves the right to change the information above without prior notification. Comtran assumes no risk, and is not liable for direct or indirect, or consequential damages, resulting from the use of this document