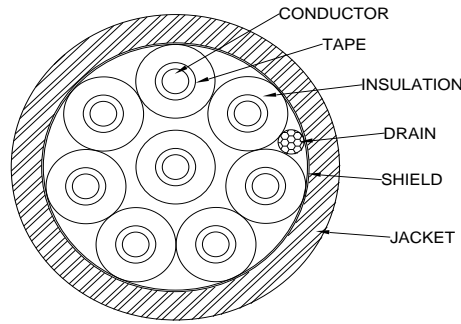


# VITALink®

## 18 AWG 8-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 (8) 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, 0.481" (12.22 mm), Nominal Wall Thickness 0.042" (1.07 mm) Color: RED

#### 1.9. Jacket Print:

COMTRAN LSZH VITALink® FPLR-ST1 CMR-ST1 CL3R-ST1 8/C 18AWG SHLD 105C FT4 SUN RES or CSA FAS105 FT4 ST1 LL14444 FRR-2HR FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX VOLTAGE 72V PN36663 --- (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: 133 Lbs. (60.33 kg)
- 3.2. Min Bend Radius: 4.75" (120.65 mm)
- 3.3. Maximum Pull Tension – Straight runs: 104 Lbs. (47.2 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> 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 Innovative Systems. Engineered Solutions.  A Marmon Wire & Cable/Berkshire Hathaway Company	
<b>DS36663</b>		18 AWG Solid 8 Conductor Shielded VITALink® Circuit Integrity Cable					
Rev	Date	Detail	Eng.	App.			
01	09/15/21	Initial Drawing	PB	KB			

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