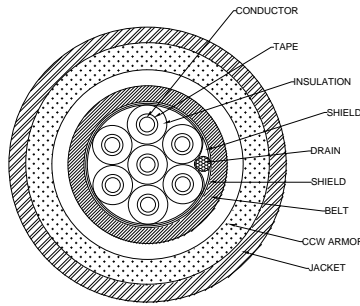


# VITALink®

## 16 AWG 7-Conductor Shielded Armored & Jacketed Circuit Integrity Cable



### 1. Construction:

- 1.1. Conductors: 16 AWG (1.31 mm<sup>2</sup>) Solid Bare Copper, 0.0508" (1.27 mm) Nominal Diameter
- 1.2. Tape: Heat Resistant Tape, 50% Nominal Overlap
- 1.3. Insulation: Low Smoke Zero Halogen Thermoset Fire-Roc® Insulation 0.128" (3.25 mm) Nominal Diameter
- 1.4. Color Code: Black printed primaries
- 1.5. Cable Assembly: Cable 7 Conductors with Shields and Belt
- 1.6. Shield: Copper/Polyester Tape, 25% Nominal Overlap
- 1.7. Drain: 16 AWG Stranded Bare Copper
- 1.8. Shield: Copper/Polyester Tape, 25% Nominal Overlap
- 1.9. Belt: Black Fire-Roc Binder, 0.471" (11.96 mm) Nominal Diameter
- 1.10. Armor: Continuously Corrugated Welded Copper, 0.840" (21.34 mm) Nominal Diameter
- 1.11. **Armor Print:**  
COMTRAN LSZH VITALink® FPLR-ST1 CL3R-ST1 (UL) and CMR-ST1 c(UL)us 7/C 16 AWG SHLD 105C FT4 SUN RES WET or CSA FAS105 FT4 ST1 LL-14444 FRR-2HR FHIT.40B/FHIT7.40B UL2196/ULC S139 MAX VOLTAGE 72V PN 36740 (MMYY) (01-12345)
- 1.12. Jacket: Red Non-Halogen Flame Retardant Thermoplastic, 0.934" (23.72mm) Nominal Diameter
- 1.13. **Jacket Print:**  
COMTRAN LSZH VITALink® FPLR-ST1 CL3R-ST1 (UL) and CMR-ST1 c(UL)us 7/C 16 AWG SHLD 105C FT4 SUN RES WET or CSA FAS105 FT4 ST1 LL-14444 FRR-2HR

FHIT.40B/FHIT7.40B UL2196/ULC S139 MAX VOLTAGE 72V PN 36747 (MMYY) (01-12345)

NOTE: MMYY is 4 Digit Month/Year (01-12345) Traceability Code

### 2. Compliance:



- 2.1. (UL) Listed Type FPLR-ST1
- 2.2. (UL) Listed CL3R-ST1
- 2.3. c(UL)us Listed CMR-ST1
- 2.4. CSA Listed FAS 105 ST1 FT4
- 2.5. UL Subject 1424 Power Limited Fire Alarm Circuits; 300V/105°C Classified
- 2.6. UL Subject 13 Power Limited Circuit Cables; 300V/105°C Classified
- 2.7. UL Subject 444 Communication Cables; 300V/105°C Classified
- 2.8. ANSI/UL 2196 2-Hour Fire Rating for use in FHIT System 40B
- 2.9. CAN/ULC-S139 2-Hour Fire Rating with Hose Stream for use in FHIT7 System 40B
- 2.10. NFPA 70 & 72
- 2.11. California State Fire Marshal Approved
- 2.12. RoHS Compliant

### 3. Electrical Characteristics:

- 3.1. Nominal Conductor DCR @ 68F: 4.10Ω

### 4. Physical Characteristics:

- 4.1. Nominal Weight per 1000 FT: 563 Lbs. (255 kg)
- 4.2. Min Bend Radius: 9.25" (235 mm)
- 4.3. Maximum Pull Tension: 145 Lbs. (66 kg.)

<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>DS36747</b>		16 AWG 7 Conductor Shielded Armored & Jacketed VITALink® Circuit Integrity Cable					
Rev	Date	Detail		Eng.	App.		
02	05/28/21	Reassign part number for release		PB	KB	36725	
01	05/05/21	Initial Design		PB	AG		

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