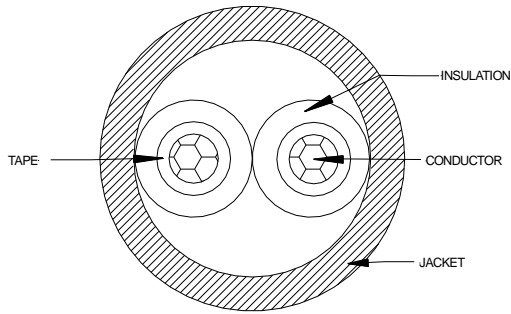


# VITALink®

## 16 AWG Stranded 2/C Non-Shielded Circuit Integrity Cable



### 1. Construction:

- 1.1. Conductors: 16 AWG (1.31 mm<sup>2</sup>) Stranded Bare Copper, 0.060" (1.52 mm) Nominal Diameter
- 1.2. Tape: Flame Retardant Tape
- 1.3. Insulation: Low Smoke Zero Halogen Thermoset Fire-Roc® Insulation 0.138" (3.50 mm) Nominal Diameter & 0.029" (0.73 mm) Nominal Wall Thickness
- 1.4. Color Code: Red, Black
- 1.5. Cable Assembly: Cable (2) Conductors Nominal 4.5" (114 mm) LHL
- 1.6. Jacket: Non-Halogen Flame-Retardant Polyolefin Compound, Nominal Overall Diameter, 0.344" (8.73 mm), Nominal Wall Thickness 0.034" (0.86 mm) Color: RED

#### 1.7. Jacket Print:

COMTRAN LSZH VITALink® FPLR-CI-ST1 CMR-CI-LS CL3R-CI-ST1 2/C 16AWG 105C SUN RES WET or FAS105 LL14444 FRR-2HR FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX VOLTAGE 72V PN36341 --- NYC APPROVED (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-CI-ST1
- 2.2. (UL) Listed Type CMR-CI-LS
- 2.3. (UL) Listed CL3R-CI-ST1
- 2.4. CSA Listed FAS 105
- 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 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. NYC Electrical Advisory Board #54502, April 2017
- 2.15. RoHS Compliant

### 3. Physical Characteristics:

- 3.1. Nominal Weight per 1000 FT: 54 Lbs. (24.4 kg)
- 3.2. Min Bend Radius: 3" (76.2 mm)
- 3.3. Maximum Pull Tension – Straight runs: 45 Lbs. /Ft. (20.4 kg/Ft.)

### 4. Electrical Characteristics:

- 4.1. Nominal Conductor DCR @ 68F (20 °C): 3.7Ω / 1000 Ft.
- 4.2. Nominal Capacitance C-C: 19pF/Ft.

<b>TITLE:</b>		<b>DESCRIPTION:</b>		<b>COMTRAN</b>		 <b>COMTRAN</b> <small>Innovative Systems. Engineered Solutions.</small>  <small>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</small>
<b>DS36341</b>		16 AWG Stranded 2 Conductor VITALink® Non-shielded Circuit Integrity Cable		<b>330A Turner Street</b> <b>South Attleboro, MA 02703</b> <b>Phone: 508-399-7004</b> <b>Fax: 508-399-8839</b>		
Rev	Date	Detail		Eng.	App.	
09	05/12/20	Update legend per UL changes		PB	KB	ECN 20-042
08	07/09/19	Change legend per UL update; add electrical data		PB	WC	ECN 19-071
07	02/27/19	Add regulatory approvals		PB	WC	
06	01/08/19	Change logo and basic corrections		SM	PB	
05	10/31/18	Add LL# to print		PB	WC	ECN 18-118

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