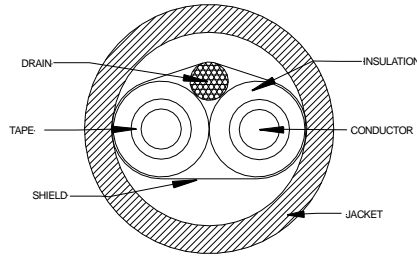


# VITALink®

## 16 AWG Solid 2/C Shielded Circuit Integrity Cable



### 1. Construction:

- 1.1. Conductors: 16 AWG (1.31 mm<sup>2</sup>) Bare Copper, 0.050" (1.27 mm) Nominal Diameter
- 1.2. Tape: Flame Retardant Tape
- 1.3. Insulation: Low Smoke Zero Halogen Thermoset Fire-Roc® 0.128" (3.25 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 Twist
- 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, 0.330" (8.38 mm), Nominal Wall Thickness 0.034" (0.15 mm) Color: RED

### 1.9. Jacket Print:

COMTRAN LSZH VITALink® FPLR-CI-LS CMR-CI-LS CL3R-CI-LS 2/C 16AWG SHLD 105C SUN RES WET FRR-2HR FOR USE IN FHIT SYSTEM 40A & FHIT7 SYSTEM 40A MAX VOLTAGE 72V ULC-S139 W/HOSE STREAM OR CSA FAS105 FT4 ST1 LL14444 PN35785 (MMYY) 000002 (01-12345)

NOTE: MMY is 4 Digit Month/Year  
Sequential Footage Markings Every Two Feet

### 2. Compliance:

- 2.1. (UL) Listed Type FPLR-CI-LS
- 2.2. (UL) Listed Type CMR-CI-LS
- 2.3. (UL) Listed CL3R-CI-LS
- 2.4. CSA Listed FAS 105 FT4 ST1
- 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 Conductor DCR @ 68F (20 °C): 4.09 Ω / 1000 Ft.
- 3.2. Nominal Weight per 1000 FT: 60 Lbs. (27.2 kg)
- 3.3. Min Bend Radius: 4" (101 mm)
- 3.4. Maximum Pull Tension – Straight runs: 41 Lbs. /Ft. (18.5 kg/Ft.)
- 3.5. Passes Cold Bend Test @ -20C

<b>TITLE:</b>		<b>DESCRIPTION:</b>			<b>COMTRAN</b>		<b>COMTRAN</b> <small>Innovative Systems. Engineered Solutions.</small>	
<b>DS35785</b>		16 AWG Solid 2 Conductor VITALink® Shielded Circuit Integrity Cable			330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		<small>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</small>	
Rev	Date	Detail	Eng.	App.				
12	02/27/19	Add regulatory approvals	PB	WC				
11	01/08/19	Change logo and basic corrections	SM	WC				
10	10/31/18	Add LL # to print	PB	WC	ECN 18-118			
09	08/14/18	Added "Twist" to cable assembly description	PB	DG				
08	05/24/18	FAS from 90 to 105	PB	WC	ECN 18-067			
07	09/29/17	UPDATE LEGEND	PB	RN	ECN 17-100			
06	06/07/17	Additional listings add NYC EAB #	PB	RN				
05	6/15/16	Updated to include Canadian listings	PAB	RN				
04	05/02/16	Expanded Print with additional listings, expanded Compliance Section	PAB	RN				
03	10/8/15	Updated System number in print legend	PAB	RN				
02	9/10/15	Update to current format; add detail, electrical data	PAB	RN				
01	5/27/15	First Release	BAL	RN				

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