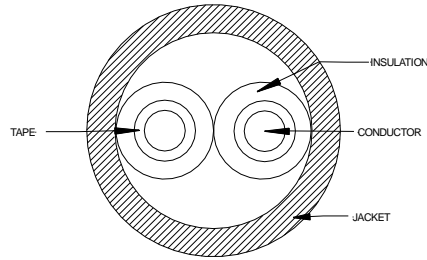


VITALink®

16 AWG 2-Conductor Non-Shielded Circuit Integrity Cable



1. Construction:

- 1.1. Conductors: 16 AWG (1.31 mm²) Solid Bare Copper, 0.0508" (1.47 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) Conductor 4.5" (114 mm) Nominal LHL
- 1.6. Jacket: Non Halogen Flame Retardant Polyolefin Compound, Nominal Overall Diameter, 0.321" (8.15 mm), Nominal Wall Thickness 0.034" (0.86 mm) Color: RED

1.7. JACKET Print:

COMTRAN LSZH VITALink® FPLR-CI-ST1
 CMR-CI-ST1 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 PN35777 --- NYC APPROVED (MMYY)
 000002 (01-12345)

NOTE: MMY Y 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-ST1
- 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: 52 Lbs. (23.5 kg)
- 3.2. Min Bend Radius: 3" (76.2 mm)
- 3.3. Maximum Pull Tension – Straight runs: 41 Lbs.

4. Physical Characteristics:

- 4.1. Nominal Conductor DCR @ 68F (20° c): 4.09 Ω / 1000 Ft.
- 4.2. Nominal Capacitance C-C: 19pF/Ft.

TITLE:		DESCRIPTION:		COMTRAN			
DS35777		16 AWG 2 Conductor Non-Shielded VITALink® Circuit Integrity Cable		330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		<small>Innovative Systems. Engineered Solutions.</small>  <small>A Marmon Wire & Cable/Berkshire Hathaway Company</small>	
Rev	Date	Detail	Eng.	App.			
13	08/10/21	Update legend due to UL update (ST1)	PB	KB	ECN 21-049		
12	05/12/20	Update legend due to UL update	PB	KB	ECN 20-042		
11	07/09/19	Change legend per UL update; add electrical data	PB	WC	ECN 19-071		
10	02/27/19	Add regulatory approvals	PB	WC			
09	12/19/18	Change logo and basic corrections	SM	WC			
08	10/31/18	Add LL# to print	PB	WC	ECN 18-118		

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