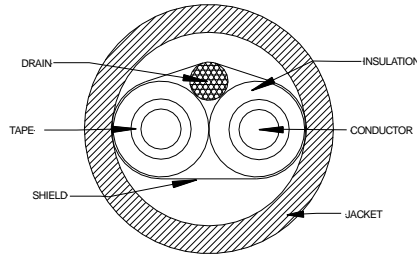


VITALink®

16 AWG Solid 2/C Shielded Circuit Integrity Cable



1. Construction:

- 1.1. Conductors: 16 AWG (1.31 mm²) 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 mm²) 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-ST1 CMR-CI-ST1 CL3R-CI-ST1 2/C 16AWG SHLD 105C FT4 SUN RES WET or FAS105 FT4 ST1 LL14444 FRR-2HR FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX VOLTAGE 72V PN35785 --- 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-ST1
- 2.3. (UL) Listed CL3R-CI-ST1
- 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 Weight per 1000 FT: 60 Lbs. (27.2 kg)
- 3.2. Min Bend Radius: 4" (101 mm)
- 3.3. Maximum Pull Tension – Straight runs: 41 Lbs. (18.5 kg.)
- 3.4. Passes Cold Bend Test @ -20C

4. Electrical Characteristics:

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

TITLE:		DESCRIPTION:		COMTRAN	
DS35785		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	
				 COMTRAN <small>Innovative Systems. Engineered Solutions.</small>  <small>A Marmon Wire & Cable/Berkshire Hathaway Company</small>	
Rev	Date	Detail	Eng.	App.	
15	08/10/21	Update legend due to UL update (ST1)	PB	KB	ECN 21-049
14	05/12/20	Update legend due to UL update	PB	KB	ECN 20-042
13	07/09/19	Change legend per UL update; add electrical data	PB	WC	ECN 19-071
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

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