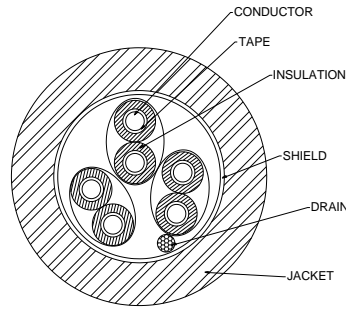


# VITALink®

## 18 AWG 3-Pair Shielded Ethernet Cable – Patent Pending



### 1. Construction:

- 1.1. Conductors: 18 AWG Solid Bare Copper, 0.040” Nominal Diameter (1.01 mm)
- 1.2. Tape: Flame Retardant Tape
- 1.3. Insulation: LSZH Thermoset Fire-Roc™, 0.116” (2.946 mm) Nominal Diameter, 0.028” (0.711 mm) Nominal Wall Thickness
- 1.4. Pairs: Conductors Twisted to Varying Lays
- 1.5. Colors: Red & Black Printed
- 1.6. Cable: Cable 3 Pairs
- 1.7. Drain: 18 AWG (0.82 mm<sup>2</sup>) Stranded Bare Copper
- 1.8. Shield: 0.005” (0.12 mm) Copper/Polyester Shield, 25% Minimum Overlap
- 1.9. Jacket: Red Non-Halogen Flame Retardant Polyolefin, 0.489” (12.421mm) Nominal Diameter, Nominal Wall Thickness, 0.042” (1.067 mm)

#### 1.10. Jacket Print:

COMTRAN LSZH VITALink® c(UL)us CMR-LS or (UL) FPLR-ST1 CL3R-ST1 3P18 AWG SHLD 105C FT4 SUN RES WET or FAS105 ST1 FT4 LL14444 FRR-2HR FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX VOLTAGE 72V PN36530 (MM/YY) 000002 (01-12345)

MMYY is 4 Digit Month/Year  
(01-12345) = Traceability Code  
000002 FT – Sequential Footage every 2 feet

### 2. Compliance:



- 2.1. c(UL)us CMR-LS
- 2.2. (UL) Listed Type FPLR-ST1
- 2.3. (UL) Listed CL3R-ST1
- 2.4. CSA Listed FAS105 ST1 FT4
- 2.5. UL Subject 444 Communication Cables; 300V/105°C Classified
- 2.6. UL Subject 1424 Power Limited Fire Alarm Circuits; 300V/105°C Classified
- 2.7. UL Subject 13 Power Limited Circuit Cables; 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. California State Fire Marshal Approved
- 2.13. RoHS Compliant

### 3. Electrical Characteristics:

- 3.1. Meets Category 3 Channel Requirements per TIA-568-C.2 throughout UL2196 Flame and Hose Stream Testing
- 3.2. Nominal DC Resistance of Conductor: 6.52 Ω/1000'

### 4. Physical Characteristics:

- 4.1. Cable Weight: 113 Lbs./1000 Ft.
- 4.2. Min Bend Radius: 3.75”
- 4.3. Maximum Pull Tension – Straight Runs: 78 Lbs./Ft.

TITLE:		DESCRIPTION		COMTRAN		COMTRAN	
<b>DS36530</b>		18AWG 3-Pair Shielded VITALink® Ethernet Cable --- Patent Pending		330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 <b>COMTRAN</b> Innovative Systems. Engineered Solutions.  A Marmon Wire & Cable/Berkshire Hathaway Company	
Rev	Date	Detail		Eng.	App.		
3	05/12/20	Change legend per UL update		PB	KB	ECN 20-042	
2	07/09/19	Change legend per UL update		PB	WC	ECN 19-071	
1	02/11/19	Initial Specification		PB	WC		

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