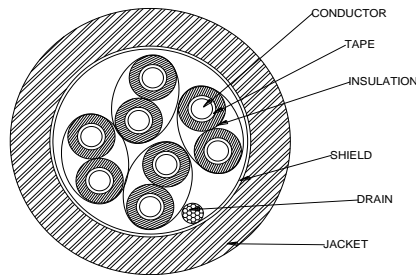


# VITALink®

## 18 AWG 4-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™, 0.110” (2.794 mm) Nominal Diameter, 0.025” (0.635 mm) Nominal Wall Thickness
- 1.4. Pairs: Conductors Twisted to Varying Lays
- 1.5. Colors: Red & Black Printed
- 1.6. Cable: Cable 4 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, 0.510” (12.954 mm) 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 4P18 AWG SHLD 105C FT4 SUN RES WET or FAS105 ST1 FT4 LL14444 FRR-2HR FHIT.40A/FHIT7.40A UL2196/ULC S139 VOLTAGE 72V PN36513 (MM/YY) 000002 (01-12345) PATENT PENDING

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: 126 Lbs./1000 Ft.
- 4.2. Min Bend Radius: 4”
- 4.3. Maximum Pull Tension – Straight Runs: 104 Lbs./Ft.

TITLE:	DESCRIPTION	COMTRAN			
<b>DS36513</b>	18AWG 4-Pair Shielded VITALink® Ethernet Cable --- Patent Pending	<b>330A Turner Street</b> <b>South Attleboro, MA 02703</b> <b>Phone: 508-399-7004</b> <b>Fax: 508-399-8839</b>		 <b>COMTRAN</b> <small>Innovative Systems. Engineered Solutions.</small>  <small>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</small>	
Rev	Date	Detail	Eng.	App.	
7	05/12/20	Change legend per UL update	PB	WC	ECN 20-042
6	07/09/19	Change legend per UL update	PB	WC	ECN 19-071
5	01/29/19	Add metric measurements/Patent Pending	PB	WC	
4	01/11/19	Rebranding	PB	WC	
3	12/3/18	Change print,			S-2097-1/CD0890
2	10/05/18	Updated Compliance Section	WC	RN	S-2097-1/CD0890

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