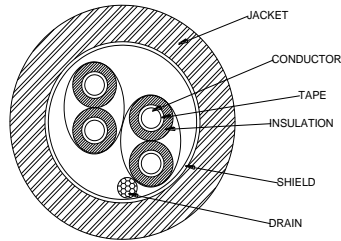


# 18 AWG 2-Pair Shielded Ethernet Cable – Patent Pending



**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™, 0.130” (3.30 mm) Nominal Diameter, 0.035” (0.88 mm) Nominal Wall Thickness
- 1.4. Pairs: Conductors Twisted to Varying Lays
- 1.5. Color: Red & Black Printed
- 1.6. Cable: Cable 2 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, 0.465” (11.8 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 2P18 AWG SHLD 105C FT4 SUN RES WET or FAS105 ST1 FT4 LL14444 FRR-2HR FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX VOLTAGE 72V PN 36512 (MMYY) 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 Listed Type 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 Communications Cable, 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. DC Resistance of Conductor: 6.52 Ω/1000' Nominal

**4. Physical Characteristics:**

- 4.1. Cable Weight: 95 Lbs./1000 Ft.
- 4.2. Min Bend Radius: 3.5”
- 4.3. Maximum Pull Tension – Straight Runs: 52 Lb./Ft.

<b>TITLE:</b>		<b>DESCRIPTION</b>		<p align="center"><b>COMTRAN</b>  <b>330A Turner Street</b>  <b>South Attleboro, MA 02703</b>  <b>Phone: 508-399-7004</b>  <b>Fax: 508-399-8839</b></p>		 <p><b>COMTRAN</b> Innovative Systems. Engineered Solutions.</p>  <p>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</p>
<b>DS36512</b>		18AWG 2-Pair Shielded VITALink® Ethernet Cable – Patent Pending				
Rev	Date	Detail	Eng.	App.		
5	05/12/20	Change legend per UL update	PB	KB	ECN 20-042	
4	07/09/19	Change legend per UL update	PB	WC	ECN 19-071	
3	01/29/19	Update diameter, rebranding; add Patent information	PB	WC		
2	12/3/18	Update print remove preliminary mark	WC	RN		
1	10/5/18	Initial Concept	WC	RN	CD0887/S-2096-1	

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