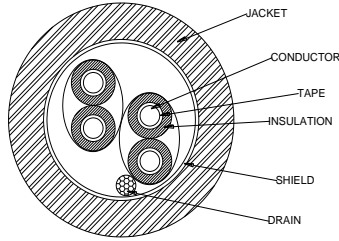


18 AWG 2-Pair Shielded Ethernet Cable – Patent Pending



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: White & 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-ST1 or (UL) FPLR-ST1/CL3R-ST1 2P18 AWG SHLD 105C FT4 SUN RES WET or CSA 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-ST1
- 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-568.2-D 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>                  330A Turner Street                  South Attleboro, MA 02703                  Phone: 508-399-7004                  Fax: 508-399-8839</p>		 Innovative Systems. Engineered Solutions.  A Marmon Wire & Cable/Berkshire Hathaway Company
<b>DS36512</b>		18AWG 2-Pair Shielded VITALink® Ethernet Cable – Patent Pending				
Rev	Date	Detail		Eng.	App.	
8	01/10/22	Primary color change to white		PB	BD	ECN 21-055
7	11/8/21	Updated '-C.2' to '-D' per TIA standard		BD	PB	ECN 21-049
6	09/07/21	Add CSA to legend and update UL to ST1		PB	KB	ECN 21-055
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	

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