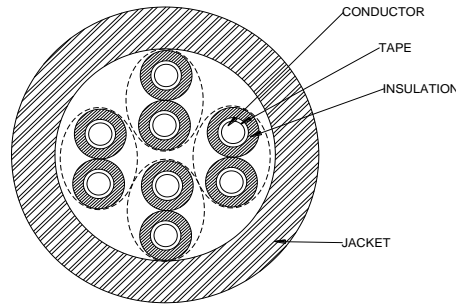


VITALink®

18 AWG 4-Pair UTP 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™, 0.090”
(2.29 mm) Nominal Diameter, 0.015”
(0.38 mm) Nominal Wall Thickness
- 1.4. **Pairs:** Conductors Twisted to Varying Lays
- 1.5. **Color:** Red & Black Printed
- 1.6. **Cable:** Cable 4 Pairs
- 1.7. **Jacket:** Red Non-Halogen Flame Retardant Polyolefin,
0.417” (10.59 mm) Nominal Diameter,
Nominal Wall Thickness, 0.034” (0.87 mm)

1.8. **Jacket Print:**

COMTRAN LSZH VITALink® c(UL)us CMR-LS or (UL)
CL3R-ST1 4P18 AWG 105C FT4 SUN RES WET
FRR-2HR FHIT.40A/FHIT7.40A UL2196/ULC S139 MAX
VOLTAGE 72V PN 36609 (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 CL3R-ST1
- 2.3. UL Subject 444 Communications Cable, 300V/105°C
Classified
- 2.4. UL Subject 13 Power Limited Circuit Cables; 300V/105°C
Classified
- 2.5. ANSI/UL 2196 2-Hour Fire Rating for use in FHIT System
40A
- 2.6. CAN/ULC-S139 2-Hour Fire Rating with Hose Stream for
use in FHIT7 System 40A
- 2.7. NFPA 70 & 72
- 2.8. NFPA 130
- 2.9. California State Fire Marshal Approved
- 2.10. 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: 93 Lbs./1000 Ft.
- 4.2. Min Bend Radius: 4”
- 4.3. Maximum Pull Tension – Straight Runs: 104 Lb

| | | | | | | | |
|----------------|----------|---|------|---|---------------|--|--|
| TITLE: | | DESCRIPTION: | | COMTRAN | | COMTRAN <small>Innovative Systems. Engineered Solutions.</small> | |
| DS36609 | | 18AWG 4-Pair UTP VITALink® Ethernet Cable – Patent Pending | | 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839 | | <small>A Marmon Wire & Cable/ Berkshire Hathaway Company</small> | |
| Rev | Date | Detail | Eng. | App. | | | |
| | | | | | | | |
| 3 | 5/20/20 | Remove CMG from print for clarity | PB | DM | | | |
| 2 | 04/22/20 | Added CMG | PB | WC | | | |
| 1 | 04/07/20 | Initial Design | PB | WC | CD0889/S-2099 | | |

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