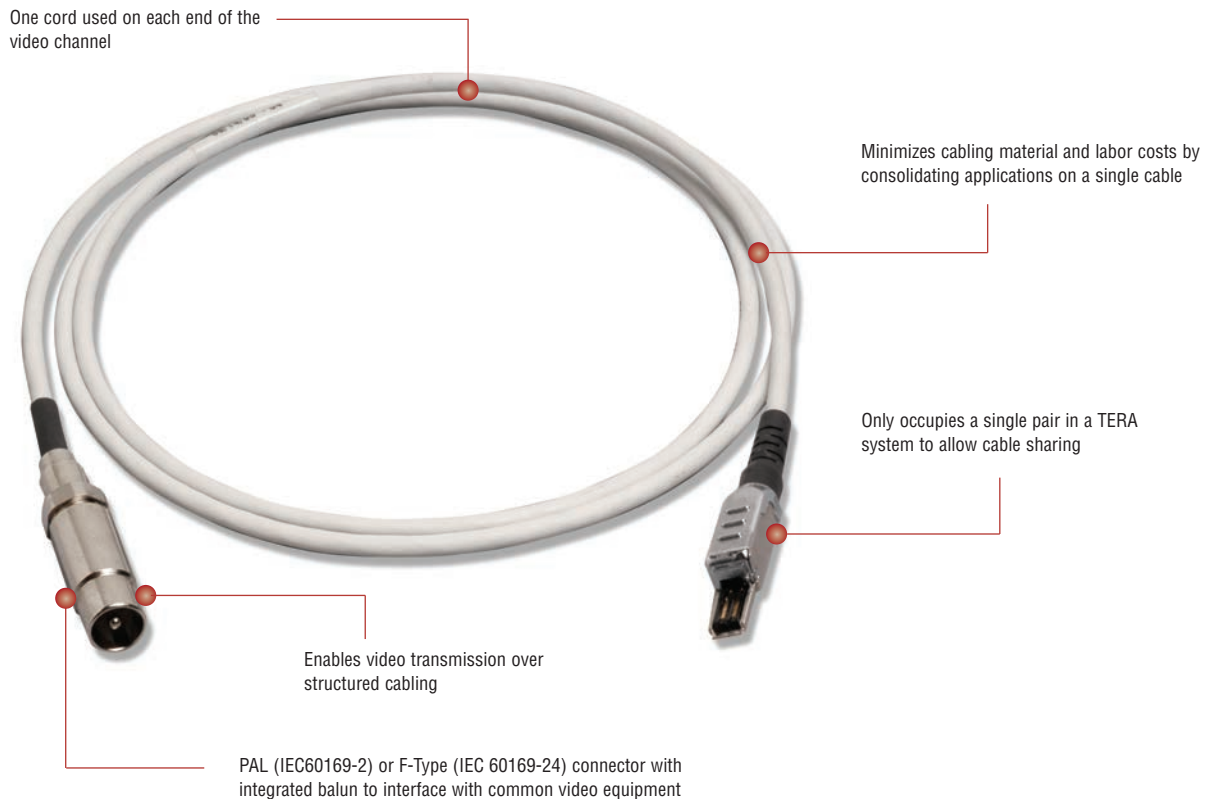


TERA[®] - Video Patch Cords

TERA CATV baluns provide the optimum solution for the transmission of TV or CATV signals over structured cabling systems that were historically limited to voice and data transmission. These products convert the unbalanced TV signals designed for coaxial cabling (75 Ω impedance) to balanced signals (100 Ω impedance) as required for transmission over twisted pair (balanced) cabling. The TERA CATV adapters are specified and useable to 862 MHz. The 1-pair TERA to PAL and TERA to F-Type patch cords utilize an integrated balun. The 1-pair shielded TERA to shielded RJ45 patch cord allows connection to third-party RJ45 baluns.



- The 1-pair shielded TERA-to-RJ45 patch cord allows the TERA system to be easily connected to RJ45 equipped third party baluns
- Utilizes a PAL or F-Type connector to interface to common video equipment
- Multiple applications can be run over one 4-pair cable and outlet, saving significant material and pathway space.

Product Information

PATCH CORDS PLUS AND CABLE

TERA® Video Balun Patch Cord Typical Channel Performance Data (50m)

SPECIFICATIONS FOR PATCH CORD

| | |
|---------------------------------|--|
| Specified Bandwidth | 5 to 862 MHz |
| Video Channels Supported | US: CATV 2 — 77, UHF 2 —13, FM Broadcast Europe: E5-E12, E21-E30, S11-S41 |
| Insertion Loss | <= 2 dB (5 to 300 MHz) <= 3.5 dB (300 to 862 MHz) |
| Return Loss | >= 16 dB (5 to 300 MHz) >= 9 dB (300 to 862 MHz) |
| Impedance - Cable/Balun | 100 Ω / 75 Ω |
| Transfer Impedance | <20m Ω @ 10 MHz |
| Interface | PAL (IEC 60169-24) or F-TYPE MALE |
| Cable Flame Rating | LS0H |

TYPICAL CHANNEL DISTANCES

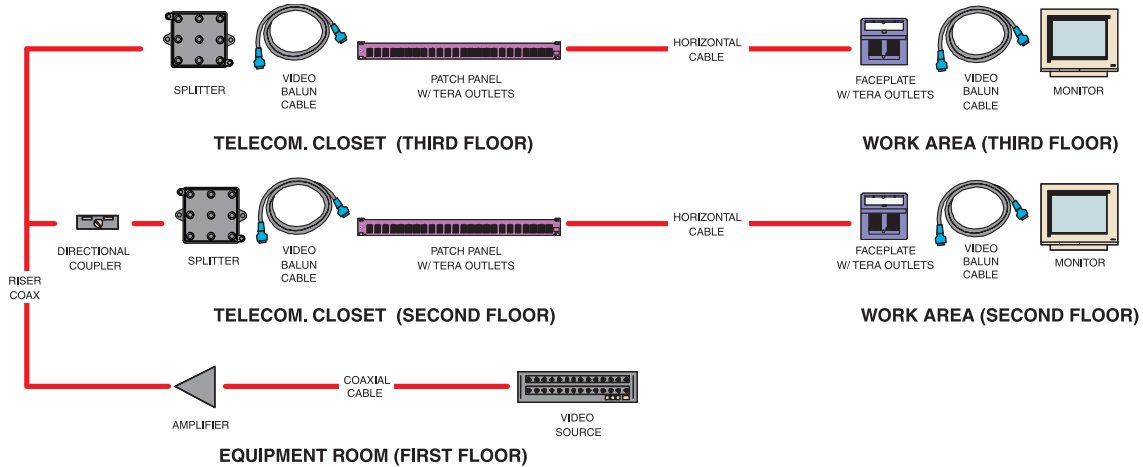
| Frequency (MHz) | Max. Channel Length (m)* |
|-----------------|--------------------------|
| 100 | 185 |
| 300 | 97 |
| 450 | 75 |
| 550 | 65 |
| 862** | 40 |

*Tilt amplification and attenuation may be required to equalize levels.

**Based on 9T7(X)4-E10 or 9T7(X)4-E12 horizontal cable.

Typical channel distances based on 1000 MHz horizontal cable and 50 dB maximum link loss. Use of 1200 MHz cable may increase channel distances.

Typical Application



TERA Video Balun Cords

TERA CATV baluns provide the optimum solution for the transmission of TV or CATV signals over structured cabling systems that were historically limited to voice and data transmission. These products convert the unbalanced TV signals designed for coaxial cabling (75 Ω impedance) to balanced signals (100 Ω impedance) as required for transmission over twisted pair (balanced) cabling. The TERA CATV adapters are specified and usable to 862 MHz. The 1-pair TERA to PAL and TERA to "F" patch cords utilize an integrated balun. The 1-pair shielded TERA to shielded RJ45 patch cord allows connection to third-party RJ45 baluns.

| Part # | Description |
|------------------|--|
| T1VC-(XX)M-B01L | 1-Pair TERA to PAL connector, LS0H cable assembly, gray jacket |
| T1VF-(XX)M-B01L | 1-Pair TERA to F connector, LS0H cable assembly, gray jacket |
| T1S4V-(XX)M-B01L | 1-Pair shielded TERA to RJ45 patch cord |

Use (XX) to specify length: 01 = 1m (3.3 ft.), 1.5 = 1.5m (4.9 ft.), 02 = 2m (6.6 ft.), 03 = 3m (9.8 ft.), 05 = 5m (16.4 ft.)



Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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