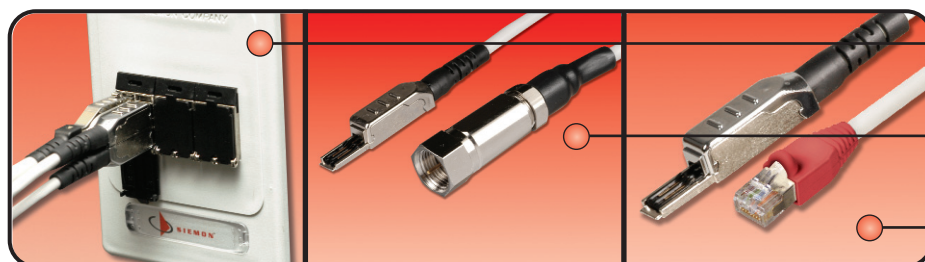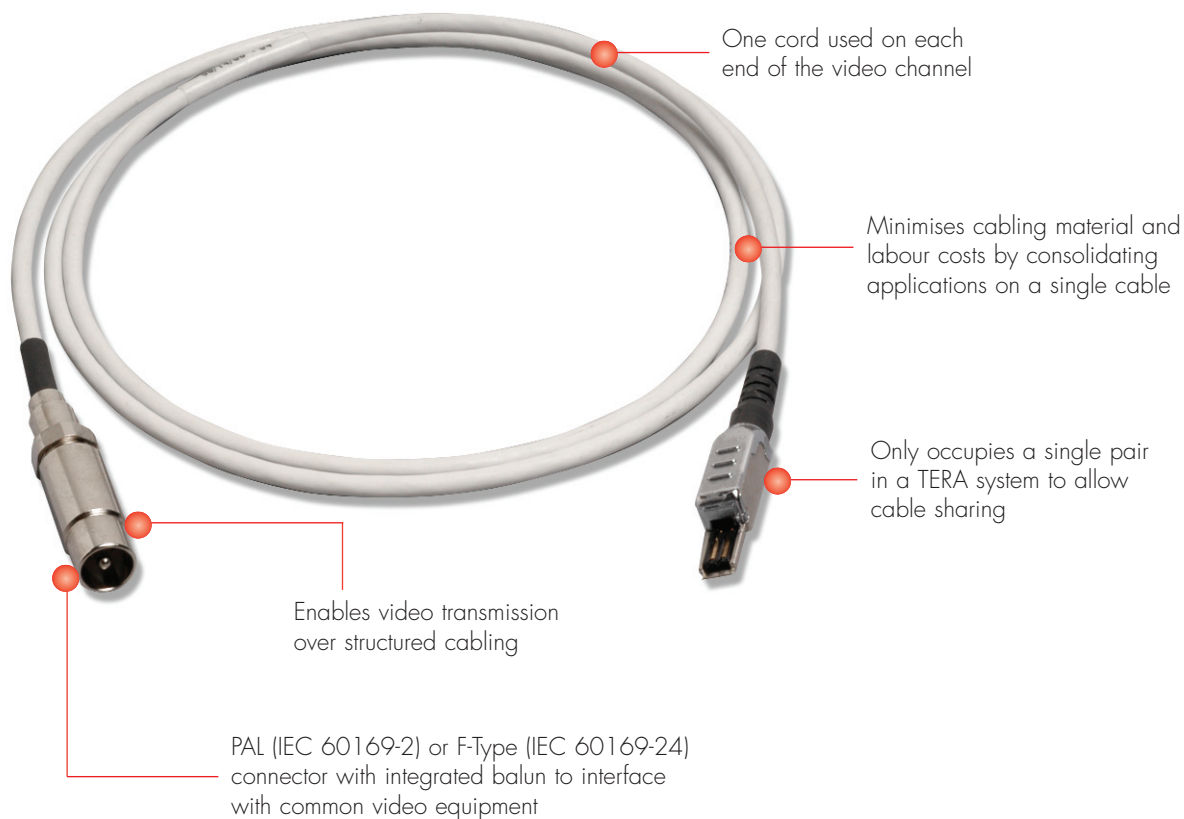# TERA® VIDEO PATCH CORDS

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 utilise an integrated balun. The 1-pair shielded TERA to shielded RJ45 patch cord allows connection to third-party RJ45 baluns.

One cord used on each end of the video channel

Minimises cabling material and labour costs by consolidating applications on a single cable

Only occupies a single pair in a TERA system to allow cable sharing

Enables video transmission over structured cabling

PAL (IEC 60169-2) or F-Type (IEC 60169-24) connector with integrated balun to interface with common video equipment

Multiple applications can be run over one 4-pair cable and outlet, saving significant material and installation costs

Utilises a PAL or F-Type connector to interface to common video equipment

The 1-pair shielded TERA-to-RJ45 patch cord allows the TERA system to be easily connected to RJ45 equipped third party baluns

PATCH CORDS, PLUGS 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 equalise 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

TELECOM. CLOSET (THIRD FLOOR)

WORK AREA (THIRD FLOOR)

TELECOM. CLOSET (SECOND FLOOR)

WORK AREA (SECOND FLOOR)

EQUIPMENT ROOM (FIRST FLOOR)
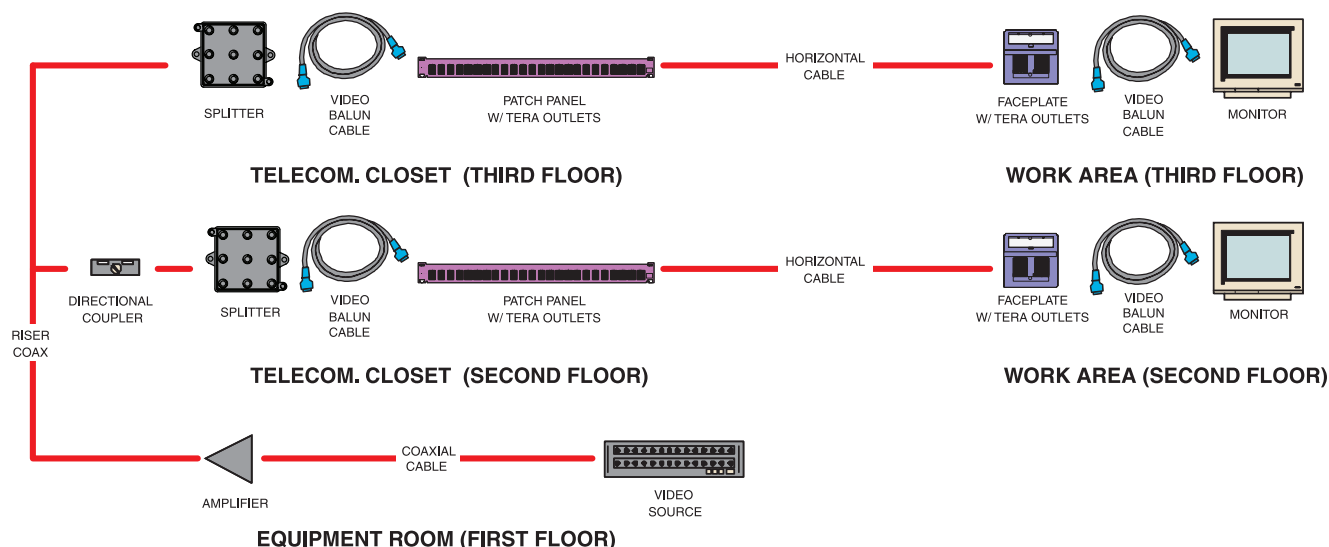
TERA Video Patch Cords:

T1VC-(XX)M-B01L ....1-pair TERA-to-PAL connector, LS0H cable assembly, grey jacket
T1VF-(XX)M-B01L..................1-pair TERA-to-F connector, LS0H cable assembly, grey jacket
T1S4V-(XX)M-B01L................1-pair shielded TERA-to-RJ45 patch cord

Use (XX) to specify length: 01 = 1m, 1.5 = 1.5m, 02 = 2m, 03 = 3m, 05 = 5m

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

TERA® is a trademarks of Siemon

For related product information request Spec Sheet(s):
TERA Outlet (PROD-SS-TRAO)
TERA-MAX® Patch Panels (PROD-SS-TRAPP)

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PROD-SS-TRAVPC Rev. C 8/08 (UK)

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