



TRIFLEX CAMERA CABLES



TRIAX 8 HD

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ CCU INTERCONNECT

PVC

HD-SDI

ANALOG

DIGITAL

TRIAX 11 HD

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triflex cables contain two isolated shields and Silvered Stranded Copper. Isolated shields allow the Triflex to provide multiple functions over 1 cable through multiplexing techniques, e.g. DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions

CONSTRUCTION DATA

TRIAX 8 HD

| | |
|-----------------|--|
| Inner conductor | 19 x 0.20 mm \emptyset Silvered Stranded Copper Wire |
| Insulation | 4,5 mm \emptyset Gas-injected foam |
| 1st Shield | Silver Plated Copper Braid |
| Coverage | 85% |
| Inner Sheath | 6,6 mm \emptyset , Pe Compound |
| 2nd Shield | Bare Copper Braid |
| Coverage | 80% |
| Outer Jacket | Pvc, Red |
| Outer Diameter | 8.4 + 0.2 mm \emptyset |
| Cable Weight | 9,2 Kg/100 m |

TRIAX 11 HD

| | |
|-----------------|--|
| Inner conductor | 19 x 0.287 \emptyset Silvered Stranded Copper Wire |
| Insulation | 6,5 mm \emptyset Gas-injected foam |
| 1st Shield | Silver Plated Copper Braid |
| Coverage | 85% |
| Inner Sheath | 8,6 mm \emptyset , Pe Compound |
| 2nd Shield | Bare Copper Braid |
| Coverage | 80% |
| Outer Jacket | Pvc, Red |
| Outer Diameter | 11.2 + 0.2 mm \emptyset |
| Cable Weight | 14,3 Kg/100 m |

ELECTRICAL DATA

| | | |
|------------------------------------|---------------------|---------------------|
| DC resistance | | |
| Inner conductor | < 25 Ω / km | < 13 Ω / km |
| Inner screen | < 12 Ω / km | < 10 Ω / km |
| Outer screen | < 10 Ω / km | < 8 Ω / km |
| Mutual Capacitance | | |
| 800 Hz | 54 pF / m | 54 pF / m |
| Velocity of Propagation | 82% | 82% |
| Characteristic Impedance | 75 \pm 1 Ω | 75 \pm 2 Ω |
| Screening Factor | \geq 75 dB | \geq 75 dB |
| Max. DC loop resistance | 30 Ω / km | 23 Ω / km |
| Max. Operating voltage | 400 V Rms | 400 V Rms |
| Transmission Dis. up to 3G (1080p) | 500 mt | 700 mt |

Attenuation (db /100 Mt)

| | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| Frequency (MHz) | 1 | 10 | 20 | 40 | 50 | 60 | 100 | 300 | 1000 |
| TRIAX8 (db) | 0.7 | 2.3 | 3.4 | 4.7 | 5.3 | 5.7 | 7.6 | 13.9 | 22.1 |
| TRIAX11 (db) | 0.5 | 1.8 | 2.6 | 3.9 | 4.5 | 4.9 | 6.6 | 11.6 | 18.7 |

MECHANICAL DATA

Minimum bending radius 10 x D (D= outer diameter)

| | |
|---------------------|-------------------|
| Temperature range | |
| Mobile installation | - 5° C to + 70° C |
| Fixed installation | -30° C to + 70° C |

Return loss (dB)

| | |
|------------------------|-------------|
| Frequency (MHz) | (dB) |
| 10 – 100 | \geq 26 |
| 100 – 300 | \geq 23 |

