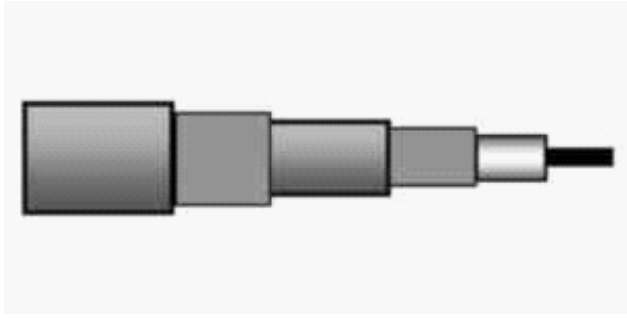


Part Number: 7785E

VIDEO TRIAX 14 STRANDED PVC



Product Description

VIDEO CAMERA TRIAX 14 STRANDED PVC

Product Specifications

Technical Specifications

| | |
|-----------------------|---|
| Application 1: | Triaxial camera cable used to interconnect video cameras to related equipment |
|-----------------------|---|

Construction and Dimensions

Conductor:

| Stranding | Material | Construction n x D | Nominal Diameter |
|-----------|-------------|--------------------|------------------|
| Stranded | Bare copper | 7x0.75 mm | 2.2 in |

Insulation:

| Type | Material | Nominal Diameter | Diameter +/- Tolerance |
|------------|---------------------|------------------|------------------------|
| Dielectric | Foamed Polyethylene | 9.7 mm | 0.2 mm |

Outershield 1:

| Type | Material | Nominal Diameter | Min. Coverage [%] |
|-------|-------------|------------------|-------------------|
| Braid | Bare copper | 10.4 mm | 80 % |

Outerjacket 1:

| Material | Nominal Diameter | Diameter +/- Tolerance |
|--------------|------------------|------------------------|
| Polyethylene | 11.9 mm | 0.2 mm |

Outershield 2:

| Type | Material | Nominal Diameter | Min. Coverage |
|-------|-------------|------------------|---------------|
| Braid | Bare copper | 12.6 mm | 80 % |

Outerjacket 2:

| Material | Nominal Diameter | Diameter +/- Tolerance |
|----------|------------------|------------------------|
| PVC | 14.5 mm | 0.2 mm |

Electrical Characteristics

Conductor DCR:

| Max. Conductor DCR | Nominal Inner Shield DCR | Nominal Outer Shield DCR |
|--------------------|--------------------------|--------------------------|
| 5.7 Ohm/km | 6.4 Ohm/km | 4.1 Ohm/km |

Capacitance:

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 55 pF/m |

Impedance:

| Nominal Characteristic Impedance |
|----------------------------------|
| 75 Ohm |

High Frequency (Nominal/Typical):

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz | 0.4 db/100m |
| 10 MHz | 1.3 db/100m |
| 20 MHz | 1.7 db/100m |
| 40 MHz | 2.5 db/100m |
| 50 MHz | 2.8 db/100m |
| 60 | 3.1 db/100m |
| 100 | 4.2 db/100m |
| 270 | 7 db/100m |
| 300 | 7.6 db/100m |
| 540 | 10.1 db/100m |
| 1000 | 14.3 db/100m |

Delay:

| Nominal Velocity of Propagation (VP) [%] |
|--|
| 81 % |

High Freq:

| Frequency [MHz] | Min. SRL (Structural Return Loss) |
|-----------------|-----------------------------------|
| 5 - 850 MHz | 21 dB |

Screening:

| Frequency [MHz] | Min. Screening Attenuation |
|-----------------|----------------------------|
| 30 - 850 MHz | 75 |

Use

| | |
|----------------------------------|-------|
| Max Recommended Pulling Tension: | 550 N |
|----------------------------------|-------|

Safety

Temperature Range

| | |
|--------------------------|---------------|
| Installation Temp Range: | -5 to +70 °C |
| Operating Temp Range: | -40 to +70 °C |
| Storage Temp Range: | -40 to +70 °C |

Mechanical Characteristics

| | |
|---|--------|
| Min Bend Radius (W/o Pulling Strength): | 150 mm |
|---|--------|

Part Number

Standards

History

| | |
|------------------|------------|
| Revision Date: | 2011-08-16 |
| Revision Number: | 2 |

Product Variants

| Part Number | Color | Put-Up Type | Length |
|-------------|-------|-------------|--------|
| 7785E.02250 | RED | Reel | 250 m |
| 7785E.02500 | RED | Reel | 500 m |

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