

Coaxial Cable 0.6/ 3.7

Video Cable 75 Ω



Application

Video cables are primary used in closed circuit TV systems and in several studio applications for transmission of image signals.

Standards

Composite, Componente

Flame resistance

PVC: IEC 60332-1
FRNC: IEC 60332-1; IEC 60754-2; IEC 61034

Construction

| | |
|-----------------|--|
| Inner conductor | solid copper wire, bare, diameter 0.6 mm |
| Insulation | PE, diameter 3.7 mm |
| Outer conductor | copper braid, bare, optical coverage 84 %, diameter 4.3 mm |
| Sheath | PVC, diameter 6.0 mm green, RAL 6018 |
| Printing | DRAKA COMTEQ - 0.6/3.7 AF - 75 Ω \pm 1% |

Electrical properties

at 20°C

| | | |
|--------------------------|-----------------|---------------------------------|
| DC resistance | Inner conductor | 26 Ω /km |
| | Outer conductor | 20 Ω /km |
| Mutual capacitance | | 67 pF/m |
| Characteristic impedance | | 75 Ω \pm 0.75 Ω |
| Velocity ratio | | 67 % |
| Screening factor | | \geq 65 dB |

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Electrical data

at 20°C

| Attenuation (dB/100m) | | Return loss (dB) | |
|-----------------------|------|------------------|------|
| Frequency (MHz) | | Frequency (MHz) | |
| 0.1 | 0.36 | 50 - 300 | ≥ 26 |
| 0.3 | 0.62 | 300 - 800 | ≥ 20 |
| 0.6 | 0.9 | | |
| 1 | 1.1 | | |
| 3 | 1.9 | | |
| 5 | 2.4 | | |
| 10 | 3.4 | | |
| 30 | 5.9 | | |
| 100 | 10.9 | | |
| 200 | 15.8 | | |
| 300 | 19.5 | | |
| 500 | 25.7 | | |
| 800 | 33.3 | | |

Technical data

| Product code | Type | Weight kg/km | Standard delivery length m | Drum size KTG/ring | Copper content | Tensile force N | Bending radius mm | Storage |
|----------------------|----------------------|-----------------|-------------------------------|-----------------------|----------------|--------------------|----------------------|---------|
| 1002172 CT2740200 | 0.6/3.7 PVC green | 50 | 1000 | 051 | 19.2 | 70 | 30 | inside |
| 1002213 | 0.6/3.7 FRNC-B green | 50 | 1000 | 051 | 19.2 | 70 | 30 | inside |

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| Cable-nominal-Ø | Cable Group* | Cable Type | Part Number |
|-----------------|--------------|------------|--------------|
| 6 | 23 | PVC | 13-1009-1000 |
| | | FRNC | 13-1096-1000 |

* see Cable Table Coaxial Cable

