



0.6/2.8 AF

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

For analogue and digital video signals (Composite, component, SDI, SDV, SDTI, HDTV)

Flame resistance

PVC: IEC 60332-1
FRNC: IEC 60332-1, IEC 60754, IEC 61034
FRNC-C: additionally IEC 60332-3 C

Construction

| | |
|-----------------|---|
| Inner conductor | solid copper wire, bare, diameter 0.6 mm |
| Insulation | Foam-PE, diameter 2.8 mm |
| Outer conductor | Al-PETP-Al-foil under tinned copper braid, diameter 3.4 mm |
| Sheath | FRNC or PVC, diameter 4.5 mm green, RAL 6018 |
| Printing | for FRNC: DRAKA COMTEQ - 0.6/2.8 AF - 75 Ω ± 1% - HDTV FRNC for PVC: DRAKA COMTEQ - 0.6/2.8 AF - 75 Ω ± 1%" – HDTV |

Electrical properties

at 20°C

| | | |
|--------------------------|-----------------|---------------|
| DC resistance | Inner conductor | 61 Ω/km |
| | Outer conductor | 17 Ω/km |
| Mutual capacitance | | 56 pF/m |
| Characteristic impedance | | 75 Ω ± 0.75 Ω |
| Velocity ratio | | 78 % |
| Screening factor | | > 100 dB |



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Electrical data

at 20°C

| Attenuation (dB/100m) | | Return loss (dB) | |
|--------------------------|------|---------------------|------|
| Frequency (MHz) | | Frequency (MHz) | |
| 1 | 1.2 | 50 – 300 | ≥ 26 |
| 3 | 1.9 | 300 – 3000 | ≥ 22 |
| 5 | 2.5 | 3000 – 3500 | ≥ 18 |
| 10 | 3.5 | 3500 – 5000 | ≥ 15 |
| 30 | 5.9 | | |
| 100 | 10.5 | | |
| 200 | 15.0 | | |
| 300 | 18.7 | | |
| 500 | 24.5 | | |
| 800 | 31.5 | | |
| 1000 | 35.3 | | |
| 1500 | 43.2 | | |
| 2250 | 54.0 | | |
| 3000 | 63.6 | | |
| 3500 | 70.7 | | |
| 4000 | 76.3 | | |
| 4500 | 82.2 | | |
| 5000 | 88.1 | | |

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 |
|----------------------|---|-----------------|-------------------------------------|-----------------------|-------------------|-----------------------|-------------------------|---------|
| 1002160 CT2738600 | 0.6/2.8 AF PVC green | 27 | 1000 | 051 | 14 | 60 | 25 | inside |
| 1002161 CT2738601 | 0.6/2.8 AF PVC black | 27 | 1000 | 051 | 14 | 60 | 25 | inside |
| 1002162 CT2738602 | 0.6/2.8 AF PVC blue | 27 | 1000 | 051 | 14 | 60 | 25 | inside |
| 1002164 CT2738604 | 0.6/2.8 AF PVC violett | 27 | 1000 | 051 | 14 | 60 | 25 | inside |
| 1002166 CT2738609 | 0.6/2.8 AF PVC black + special marking | 27 | 1000 | 051 | 14 | 60 | 25 | inside |
| 1002167 CT2738610 | 0.6/2.8 AF PVC green + meter marking | 27 | 1000 | 051 | 14 | 60 | 25 | inside |
| 1002203 CT2850202 | 0.6/2.8 AF FRNC-C gn | 28 | 1000 | 051 | 14 | 60 | 25 | inside |
| 1002204 CT2850207 | 0.6/2.8 AF FRNC-C yel. | 28 | 1000 | 051 | 14 | 60 | 25 | inside |
| 1002205 CT2850208 | 0.6/2.8 AF FRNC-C blue | 28 | 1000 | 051 | 14 | 60 | 25 | inside |



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16.08.2006
page 3 of 3

0.6/2.8 AF