

## Highlights:

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- 22 AWG (0.34 mm<sup>2</sup>) thin and dense stranded conductors
- EN50399 CPR Euroclass Cca-s1a,d1,a1
- Class 5 IEC 60228 compliant

## Product information:

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The CMX222-Cca series are 2-core 110 Ohm DMX-AES Digital signal cables compliant to the Cca standards of the Construction Product Regulation (CPR) regarding fire and flammability resistance in fixed installations, minimizing toxic smokes and providing optimal resistance to spreading fire.

In addition to its outstanding fire properties, the outer jacket of the cabling is smooth and durable for easy installation and pulling. The stranding keeps the cable flexible and easy to handle. The cable can be used in both indoor and outdoor or in humid environments.

More information about CPR compliant cables? [Click here](#)



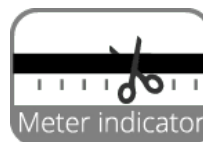
## Certification:

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## Properties:

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## Inner Conductors:



## Shielding:



## Product Features:

|             |                   |
|-------------|-------------------|
| Application | AV & IT           |
| Series      | Contractor Series |

## Physical Characteristics:

|                       |                      |                   |                                       |
|-----------------------|----------------------|-------------------|---------------------------------------|
| EN50399 CPR Euroclass |                      |                   | Cca-s1a,d1,a1                         |
| Inner conductor       | Insulation           | Colours           | White / Red                           |
|                       |                      | Material          | 0.079                                 |
|                       | Shielding            | Aluminium foil    | Al-mylar, 100% coverage - 25% Overlap |
|                       |                      | Braiding          | TC 16 x 5 x 0.12 mm (Ø) (OFC)         |
|                       |                      | Braiding coverage | 70 %                                  |
| Outer jacket          | Material             |                   | Polyolefin 5.8 mm (Ø)                 |
|                       | Colours              |                   | Black                                 |
| Type of cable         |                      |                   | 110 Ω DMX-AES cable                   |
| Inner conductor       | Material             |                   | TC 7 x 0.25 mm (Ø) (OFC)              |
|                       | Section              |                   | 0.00053 "²                            |
|                       | American Wire Gauge  |                   | 22 AWG                                |
|                       | Number of conductors |                   | 2                                     |
|                       | Conductor twisting   |                   | Yes                                   |

## Standards & regulations:

|                        |                                     |
|------------------------|-------------------------------------|
| RoHS2 compliant        | According EU Directive 2011/65/EU   |
| Reach compliant        | According EC 1907/2006              |
| CPR Euroclass          | Cca-s1a,d1,a1                       |
| Flammability test      | According EN 60332-1-2              |
| Indoor / outdoor       | UV resistant (UL1581, UVA, 720 h)   |
| Smoke emissions        | According IEC 61034                 |
| Zero halogen compounds | According EN 50267-2-1<br>IEC 60754 |

## Mechanical Characteristics:

|                   |                     |                       |
|-------------------|---------------------|-----------------------|
| Temperature range | Mobile installation | - 41 °F till + 176 °F |
|                   | Fixed installation  | - 59 °F till + 176 °F |
| Bending radius    | Fixed installation  | 15 x outer diameter   |
|                   | Mobile installation | 15 x outer diameter   |

## Variants:

- CMX222-CCA/1 - 100 m wooden reel
- CMX222-CCA/3 - 300 m wooden reel

## Electrical Characteristics:

|                        |            |                                   |
|------------------------|------------|-----------------------------------|
| Resistance             | Insulation | > 500 M $\Omega$ / km             |
| Inductance             | Cond/Cond  | 0.923 nH / m @ 1 ( $\pm$ 10%) MHz |
| Capacitance            | Cond/Cond  | 38.88 pF / m @ 1 ( $\pm$ 10%) kHz |
| Resistance             | Conductor  | Max. 53 $\Omega$ / km @ --°C      |
| Rated voltage          |            | 100 V                             |
| Impedance              |            | 10% $\pm$ 100 $\Omega$            |
| Max. operation voltage |            | 250 V                             |