

**Part Number: 70058CH**



4 PAIR AES/EBU, 24AWG, ISTD, LSZH-C

**Product Description**

DIGITAL AUDIO 4 PAIR AES/EBU, 24AWG/0.22mm<sup>2</sup>, ISTD, LSZH-C

**Technical Specifications**

**Product Overview**

|                        |  |
|------------------------|--|
| Environmental Space:   | Indoor - Euroclass Cca   |
| Suitable Applications: | Digital multi-modulation cable; Used in professional studios; For the transmission of analogue and digital audio signals; Designed to meet the requirements of the AES/EBU specification |

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material                       | Cross Section        | Construction n x D |
|-----|-----------|--------------------------------|----------------------|--------------------|
| 24  | 7x32      | BOFC - Bare Oxygen free Copper | 0.22 mm <sup>2</sup> | 7x0.20 mm          |

|                        |        |
|------------------------|--------|
| Conductor Count:       | 8      |
| Total Number of Pairs: | 4      |
| Conductor Size:        | 24 AWG |

**Insulation**

| Type       | Material                  | Nominal Diameter | Diameter +/- Tolerance |
|------------|---------------------------|------------------|------------------------|
| Insulation | FPE - Foamed Polyethylene | 1.45 mm          | 0.03 mm                |

**Color Chart**

| Number       | Color        |
|--------------|--------------|
| Pair 1 t/m 4 | White & Blue |

**Inner Shield Material**

| Material             | Material Trade Name | Coverage [%] | Drainwire Material     | Drainwire AWG | Drainwire Construction n x D |
|----------------------|---------------------|--------------|------------------------|---------------|------------------------------|
| Aluminum / Polyester | Beldfoil®           | 100 %        | Stranded tinned copper | 24            | 7x0.20 mm                    |

|                          |                 |
|--------------------------|-----------------|
| InnerShield, Table Note: | Aluminum inside |
|--------------------------|-----------------|

**Inner Jacket Material**

| Material    | Nominal Diameter | Diameter +/- Tolerance |
|-------------|------------------|------------------------|
| FRNC / LSZH | 3.50 mm          | 0.10 mm                |

|                          |  |
|--------------------------|--|
| InnerJacket, Table Note: | Elements are numbered for identification |
|--------------------------|--|

**Outer Shield Material**

| Type | Material           | Coverage [%] | Drainwire Material     | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|--------------|------------------------|---------------|------------------------------|
| Foil | Aluminum/Polyester | 100 %        | Stranded tinned copper | 24            | 7x0.20 mm                    |

**Outer Jacket Material**

| Material    | Nominal Diameter | Nominal Wall Thickness |
|-------------|------------------|------------------------|
| LSZH / FRNC | 11.00 mm         | 1.20 mm                |

**Construction and Dimensions**

## Cabling

| Description        | Filler        |
|--------------------|---------------|
| 1 filler + 4 pairs | Polypropylene |

## Electrical Characteristics

### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 86.0 Ohm/km           |

### Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 40 pF/m                                 |

### Impedance

| Frequency [MHz] | Nominal Characteristic Impedance | Nominal Characteristic Tolerance |
|-----------------|----------------------------------|----------------------------------|
| 0.1 - 6         | 110 Ohm                          | +/- 15 Ohm                       |

### Delay

| Nominal Velocity of Propagation (VP) [%] |
|--|
| 80 %                                     |

## Temperature Range

|                   |               |
|-------------------|---------------|
| Other Temp Range: | -30 to +70 °C |
|-------------------|---------------|

## Mechanical Characteristics

|                                      |        |
|--------------------------------------|--------|
| Min Bend Radius During Installation: | 110 mm |
| Min Bend Radius During Operation:    | 165 mm |

## Standards

|                |              |
|----------------|--------------|
| CPR Euroclass: | Cca-s1,d1,a1 |
|----------------|--------------|

## Applicable Environmental and Other Programs

|                                       |            |
|---------------------------------------|------------|
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-01-01 |
|---------------------------------------|------------|

## Flammability, LS0H, Toxicity Testing

|  |                                  |
|--|----------------------------------|
| ISO/IEC Flammability:                              | IEC 60332-1-2 and IEC 60332-3-24 |
| LOI of Jacket:                                     | Min. 45 %                        |
| Amount of Halogen acc. to IEC 60754-1 & EN50267-1: | Zero                             |

## Part Number

### Variants

| Item #         | Color  |
|----------------|--------|
| 70058CH.001000 | Violet |
| 70058CH.00500  | Violet |
| 70058CH.009999 | Violet |
| 70058CH.00M30  | Violet |
| 70058CH.00M50  | Violet |

## History

|                  |   |
|------------------|---|
| Revision Number: | 2 |
|------------------|---|

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