

Product: [70054CH](#) 



AUDIO DIGITAL AES/EBU 8 PAIR 26AWG, BELDFOIL, LSZH

Product Description

DIGITAL AUDIO AES/EBU 8 PAIR 26AWG/0.14mm², BELDFOIL, LSZH

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | 8-pair 26AWG halogen-free multi-core cable; For digital audio |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Construction n x D |
|-----|-----------|--------------------|
| 26 | 7x34 | 7x0.15 mm |

| | |
|------------------------|----|
| Conductor Count: | 16 |
| Total Number of Pairs: | 8 |

Insulation

| Type | Material | Nominal Diameter | Diameter +/- Tolerance |
|------------|--------------------------|------------------|------------------------|
| Insulation | PE - Polyethylene (Foam) | 1.10 mm | 0.03 mm |

Color Chart

| Number | Color |
|--------------|------------|
| Pair 1 t/m 8 | White&Blue |

Inner Shield Material

| Type | Material | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D | Drainwire Position |
|------|-------------------------|--------------|------------------------|---------------|------------------------------|----------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | Stranded tinned copper | 26 | 7x0.16 mm | Under shielding foil |

| | |
|--------------|-----------------|
| Table Notes: | Aluminum inside |
|--------------|-----------------|

Inner Jacket Material

| Material | Nominal Diameter |
|---|------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 2.90 mm |

| | |
|--------------|--|
| Table Notes: | Jacket single element, elements are numbered 1 - 8 |
|--------------|--|

Outer Shield Material

| Type | Material | Coverage [%] | Drainwire AWG |
|------|-------------------------|--------------|---------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 7xAWG34 |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|------------------|------------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 12.80mm | 1.30 mm |

Construction and Dimensions

Cabling

| |
|-------------|
| Description |
|-------------|

| |
|---------|
| 8 pairs |
|---------|

| | |
|---------------------------------|-------|
| Min Tensile Strength of Jacket: | 9 MPa |
|---------------------------------|-------|

Electrical Characteristics

Conductor DCR

| |
|---------------------------|
| Max. Conductor DCR |
|---------------------------|

| |
|------------|
| 145 Ohm/km |
|------------|

Capacitance

| |
|--|
| Nom. Capacitance Conductor to Conductor |
|--|

| |
|---------|
| 40 pF/m |
|---------|

Temperature Range

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

Mechanical Characteristics

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|--------------------------------------|--------|
| Min Bend Radius During Installation: | 128 mm |
|--------------------------------------|--------|

| | |
|-----------------------------------|--------|
| Min Bend Radius During Operation: | 192 mm |
|-----------------------------------|--------|

Standards

| | |
|---------------------|---------------|
| CENELEC Compliance: | EN 50290-2-20 |
|---------------------|---------------|

Applicable Environmental and Other Programs

| | |
|----------------------|--------|
| Environmental Space: | Indoor |
|----------------------|--------|

| | |
|---------------------------------------|------------|
| EU RoHS Compliance Date (yyyy-mm-dd): | 2017-09-08 |
|---------------------------------------|------------|

Flammability, LSOH, Toxicity Testing

| | |
|-------------------|---------------|
| IEC Flammability: | IEC 60332-1-2 |
|-------------------|---------------|

| | |
|--|------|
| IEC 60754-1 (EN50267-1)- Halogen Amount: | Zero |
|--|------|

| | |
|---|-----------|
| IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity: | 2.5 µS/mm |
|---|-----------|

| | |
|---|-----|
| IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH: | 4.3 |
|---|-----|

| | |
|--|-----|
| IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance: | 60% |
|--|-----|

Part Number

Variants

| Item # | Color | Putup Type | Length | EAN |
|---------------|--------|------------|--------|---------------|
| 70054CH.00500 | Violet | Reel | 500 m | 8719605144720 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.77 Revision Date: 12-17-2020 |
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