

# Product: <u>70059</u> ♂

8 PAIR AES/EBU, 24AWG, ISTP, LSZH 

# **Product Description**

DIGITAL AUDIO 8 PAIR AES/EBU, 24AWG/0.22mm<sup>2</sup>, ISTP, LSZH

# **Technical Specifications**

# **Product Overview**

Material         Cross Section         Construction n x D           41         7x32         BC-OFHC - Oxygen-Free Bare Copper (High Conductivity) 0.22 mm <sup>3</sup> 7x0.20 m           Conductor Coant:         16	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				
Number         Standing         Material         Construction n x D           4         7x32         SC+DFHC - Cxygen-Free Bare Copper (High Conductive)         0.22 mm <sup>2</sup> 7x0.20 m           Conductor Count         15	Physical Characteristics (Overall)				
41       7x2       BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)       0.22 mm <sup>2</sup> 7x0.20 mm         Coductor Court       16       Image: Comparison of Compar	Conductor				
Conductor Count: 10   Topia Material   Nominal Diameter Color   Number Color   Tail III Ni Waterial   Material Material   Material Coverage (%)   Standard III   Material Material   Material Material   Taile Notes: Auminum inside   Explanation Diameter +1- Tolerance   Standard III Material   Material Material Trade Name   Coverage (%) Drainwire Material   Diameter +1- Tolerance   Standard IIII   Material Nominal Diameter   Standard IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	AWG Stranding Material	Cross Section Construction n x D			
is i a martial a	24 7x32 BC-OFHC - Oxygen-Free Bare Cop	per (High Conductivity) 0.22 mm <sup>2</sup> 7x0.20 mm			
suialion Typ Material OPE - Polyethylene (Foem) 1.45 m 0.03 m 0.0	Conductor Count:	16			
Type Material Nominal Diameter // Tolerance   nsulation PE - Polysthylene (Feam) 1.45 mm 0.03 mm   Or Char   Number Color   Pari 1 Vm 8 White & Bilee   rer Shield Material   Material Material Trade Name Coverage [%] Drainwire Material Drainwire Construction n x D   red Standard Inneed copper 24 76.020 mm   Fable Notes: Auminum inside   red Standard Inneed copper 24 76.020 mm Table Notes:   Numinul Inside   Red Standard Inneed copper 24 76.020 mm Table Notes:   Numinul Inside   Red Standard Inneed copper 24 76.020 mm Table Notes:   Numinul Inside   Red Standard Inneed copper 24 76.020 mm Table Notes:   Numinul Inside   Red Standard Inneed Copper 24 76.020 mm Calue Notes: Elements are numbered for identification User Shield Material Nominal Diameter Notification User Shield Material Standard Inneed Copper 24 70.20 mm Table Notes: Elements are numbered for identification User Shield Material Nominal Diameter Notification User Shield Material Nominal Diameter Notification User Shield Material Nominal Diameter Notification Standard Numinee (Numinal Vall Thickness) Standard Numinee Retardard, 14.50 mm 1.20 mm Standard Numinee Nominal Vall Thickness Standard Numinee Retardard, 14.50 mm 1.20 mm Note:	Total Number of Pairs:	8			
na n	nsulation				
bior Char Number Color Pair 1 trn 8 White & Blue rer Shield Material Material Trade Name Coverage (%) Orainwire Material Drainwire AWG Drainwire Construction n x D Atalie Notes: Aumina Inside rer Jacket Material Material Nominal Diameter Diameter +/ Tolerance S2H - Low Smoke Zero Halogen (Flame Retardam) 3.50 mm 0.10 mm trade Notes: Elements are numbered for identification ter Shield Material Yee Material Coverage (%) Drainwire Material Drainwire AWG Drainwire Construction n x D S2H - Low Smoke Zero Halogen (Flame Retardam) 1.450 mm 1.20 mm	Type Material Nominal Diam	ter Diameter +/- Tolerance			
Number         Color           Pari 1 tm 8         White 8. Blue           ner Shield Material         Material Trade Name         Coverage [%]         Drainwire Material         Drainwire Construction n x D           Ataminate (Alum+Poly)         Beld IIII         100%         Strander Linned coper         24         7x0.20 mm           Rabe         Laminate (Alum+Poly)         Beld IIII         Nominal Diameter         100%         Strander Linned coper         24         7x0.20 mm           Rabe         Laminate (Alum+Poly)         Beld IIII         Nominal Diameter         100%         0.10 mm         100%         100%         100%         100%         0.10 mm         100%<	Insulation PE - Polyethylene (Foam) 1.45 mm	0.03 mm			
Number         Color           Pari 1 tm 8         White 8. Blue           ner Shield Material         Material Trade Name         Coverage [%]         Drainwire Material         Drainwire Construction n x D           Ataminate (Alum+Poly)         Beld IIII         100%         Strander Linned coper         24         7x0.20 mm           Rabe         Laminate (Alum+Poly)         Beld IIII         Nominal Diameter         100%         Strander Linned coper         24         7x0.20 mm           Rabe         Laminate (Alum+Poly)         Beld IIII         Nominal Diameter         100%         0.10 mm         100%         100%         100%         100%         0.10 mm         100%<	Color Chart				
ner Shield Material    Material Material Trade Name Coverage [%] Drainwire Material Drainwire AWG Drainwire Construction n x D   Bit-Laminate (Alum+Poly) Beldfoil® 10% Stranded tinned copper 24 7x0.20 mm    result of the strand					
Material         Material         Coverage [%]         Drainwire Material         Drainwire Construction n x D           3i-Laminate (Alum+Poly)         Beldol®         100%         Strande copper         24         7x0.20 mm           Table Notes:         .         Aluminum iside         Aluminum iside         .         .         .           Material         Material         Nominal Diameter         Diameter +/- Tolerance         .         .           SZH - Low Smoke Zero         Halferial         .         0.10 mm         .         .         .           Table Notes:         Elements are numbered for identification         0.10 mm         .         .         .         .           Table Notes:         Elements are numbered for identification         .         .         .         .         .           Table Notes:         Elements are numbered for identification         .         .         .         .         .         .           Table Notes:         Elements are numbered for identification         .         .         .         .         .         .           Table Notes:         Coverage (%)         Drainwire Material         .         .         .         .         .         .         .         .         <	Pair 1 t/m 8 White & Blue				
Bit Laminate (Alum +Poly)       Beldfoll       100%       Stranded tinned copper       24       7x0.20 mm         Table Notes:       V       Atuminum inside       Atuminum inside       Atuminum inside         Instruction and Dimensions       Material       Nominal Value       Diameter +/- Tolerance       Atuminum inside         Instruction and Dimensions       Nominal Value       0.10 mm       0.10 mm       Image: Construction and Dimensions	nner Shield Material				
Fable Notes: Aluminum inside     Iner Jacket Material     Material Nominal Diameter     Material Nominal Diameter     SZH - Low Smoke Zero Halogen (Flame Retardant)     Auterial Nominal Diameter     Output     Rube     Material     Coverage [%]     Drainwire AWG    Drainwire Construction n x D   Table     Material     Coverage [%]     Drainwire AWG         Material     Coverage [%]        Provide Material     Material     Coverage [%]        Material     Material        Material        Material        Material <td></td> <td></td>					
ner Jacket Material          Material       Nominal Diameter       Diameter +/- Tolerance         SZH - Low Smoke Zero Halogen (Flame Retardant)       3.50 mm       0.10 mm         Fable Notes:       Elements are numbered for identification         Table Notes:         Demonstruction n x D         Table Notes:         Demonstruction n x D         Tole Notes:         Demonstruction n x D         Tole Notes:         Demonstruction n x D         Tole Note:         Operation:         Note:         Demonstruction n x D         Tole Note:         Note:         Demonstruction n x D         Tole Note:         Note:         State Haterial         Nominal Diameter         Nominal Diameter       Nominal Diameter	Bi-Laminate (Alum+Poly) Beldfoil® 100	%         Stranded tinned copper         24         7x0.20 mm			
Material     Nominal Diameter     Diameter +/- Tolerance       SZH - Low Smoke Zero Halogen (Flame Retardant)     3.50 mm     0.10 mm       Table Notes:     Elements are numbered for identification       uter Shield Material     Coverage [%]     Drainwire Material     Drainwire Construction n x D       Tape     Bi-Laminate (Alum+Poly)     100%     TC - Tinned Copper     24     7x0.20 mm       uter Jacket Material     Nominal Diameter     Nominal Diameter     Nominal Diameter     Nominal Val I Thickness       SZH - Low Smoke Zero Halogen (Flame Retardant)     14.50 mm     1.20 mm     1.20 mm	Table Notes:	Aluminum inside			
SZH - Low Smoke Zero Halogen (Flame Retardant) 3.50 mm 0.10 mm     Table Notes: Elements = numbered for identification     uter Shield Material   Type Material   Coverage (%) Drainwire Material   Drainwire Construction n x D   Tape Bi-Laminate (Alum+Poly)   100% TC - Tinned Copper   24 7x0.20 mm   uter Jacket Material   Material Nominal Diameter   Nominal Diameter Nominal Wall Thickness   SZH - Low Smoke Zero Halogen (Flame Retardant) 14.50 mm   1.20 mm 1.20 mm	nner Jacket Material				
Material       Coverage [%]       Drainwire Material       Drainwire AWG       Drainwire Construction n x D         Tape       Bi-Laminate (Alum+Poly)       100%       TC - Tinned Copper       24       7x0.20 mm         auter Jacket Material         Material       Nominal Diameter       Nominal Wall Thickness         SZH - Low Smoke Zero Halogen (Flame Retardant)       14.50 mm       1.20 mm	Material	Nominal Diameter +/- Tolerance			
Material       Coverage [%]       Drainwire AWG       Drainwire Construction n x D         Fape       Bi-Laminate (Alum+Poly)       100%       TC - Tinned Copper       24       7x0.20 mm         Auterial       Nominal Diameter       Nominal Diameter         Auterial       Nominal Diameter       Nominal Wall Thickness         SZH - Low Smoke Zero Halogen (Flame Retardant)       14.50 mm       1.20 mm         Onestruction and Dimensions	LSZH - Low Smoke Zero Halogen (Flame Retardant)	3.50 mm 0.10 mm			
Material       Coverage [%]       Drainwire Material       Drainwire Construction n x D         Tape       Bi-Laminate (Alum+Poly)       100%       TC - Tinned Copper       24       7x0.20 mm         uter Jacket Material         Material       Nominal Diameter       Nominal Wall Thickness         SZH - Low Smoke Zero Haloger (Flame Retard)       14.50 mm       1.20 mm         Construction and Dimeters	Table Notes:	Elements are numbered for identification			
Material     Material     Nominal Diameter	Duter Shield Material				
Material       Nominal Diameter       Nominal Wall Thickness         .SZH - Low Smoke Zero Halogen (Flame Retardant)       14.50 mm       1.20 mm         construction and Dimensions       14.50 mm       1.20 mm	Type Material Coverage [%] Drai	nwire Material Drainwire AWG Drainwire Construction n x D			
Material         Nominal Diameter         Nominal Wall Thickness           .SZH - Low Smoke Zero Halogen (Flame Retardant)         14.50 mm         1.20 mm           construction and Dimensions         1.20 mm         1.20 mm	Tape         Bi-Laminate (Alum+Poly)         100%         TC -	Tinned Copper 24 7x0.20 mm			
SZH - Low Smoke Zero Halogen (Flame Retardant) 14.50 mm 1.20 mm	Duter Jacket Material				
onstruction and Dimensions	Material	Nominal Diameter Nominal Wall Thickness			
	LSZH - Low Smoke Zero Halogen (Flame Retardant)	14.50 mm 1.20 mm			
	Construction and Dimensions				
	Cabling				

### **Electrical Characteristics**

# Conductor DCR

Nominal Conductor DC
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 1	110 Ohm	+/- 15 Ohm			
Temperature Range					

Eca

Other Temp Range:	-30 to +70 °C			
Mechanical Characteristics				
Min Bend Radius During Installation: 145 mm				
Min Bend Radius During Operation: 217.5 mm				
Standards				

# CPR Euroclass:

### **Applicable Environmental and Other Programs**

Environmental Space:	Indoor - Euroclass Eca
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

## Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
LOI of Jacket:	Min. 34 %
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

# **Part Number**

### Variants

Item #	Color	Putup Type	Length	EAN
70059.00500	Violet	Reel	500 m	8719605010407

### History

Update and Revision:	Revision Number: 0.148 Revision Date: 09-30-2020	
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