

# "Clarity" AES/EBU DIGITAL AUDIO PLENUM 110 OHM INDIVIDUAL FOIL SHIELD

**394057**  
DRAWING NO.

Part No.'s  
**394057 – 1 Pair**  
**394057/2 – 2 Pair**  
**394057/4 – 4 Pair**  
**394057/8 – 8 Pair**  
**394057/12 – 12 Pair**

CONDUCTOR 24 awg (7 x 32) Tinned Copper  
 O.D.: 0.024" (0.61 mm)

INSULATION Foam Fluorinated Ethylene Propylene (FFEP)  
 O.D.: 0.056" (1.42 mm)

COLOUR CODE

Pair 1: Black/Red	Pair 7: Black/Orange
Pair 2: Black/White	Pair 8: Red/White
Pair 3: Black/Green	Pair 9: Red/Green
Pair 4: Black/Blue	Pair 10: Red/Blue
Pair 5: Black/Yellow	Pair 11: Red/Yellow
Pair 6: Black/Brown	Pair 12: Red/Brown

CONDUCTOR ASSEMBLY Conductors are Paired and Individually Shielded with a  
 24 awg Drain Wire (foil & drain in), Isolated Individually  
 Shielded Pairs are then Twisted Together

SHIELD Aluminum/Polyester Tape complete with a 24 awg  
 (7 x 32) Tinned Copper Drain Wire

JACKET 0.015" (0.38 mm) Natural Halar  
 (#394057 1 Pair: Purple Plenum Polyvinylchloride (PVC))

OVERALL DIAMETER & WEIGHT	<u>Part No.</u>	<u>inch (mm)</u>	<u>lbs/Mft (kgs/km)</u>
	#394057	0.142 (3.61)	10 (15)
	#394057/2	0.248 (6.30)	22 (33)
	#394057/4	0.298 (7.57)	40 (60)
	#394057/8	0.425 (10.80)	84 (125)
	#394057/12	0.490 (12.45)	120 (179)

IMPEDANCE 110 Ohms +/- 10%

CAPACITANCE 12.5 pF/ft (41.0 pF/m)

REVISION	APPD	DATE
A	GS	12/12/02
B	GS	1/19/04
C	GS	10/24/06



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 1 Saramia Crescent Concord, Ontario L4K 3S6  
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		DATE
DRWN	CM	06/24/99
CHKD	GS	6/24/99
APPD	GS	6/24/99

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VELOCITY OF PROPAGATION	82%
TEMPERATURE RATING	-5°C to +75°C (#394057 1 Pair: -40°C to +150°)
VOLTAGE	300 Volts Maximum
ATTENUATION	1.25 dB/100 ft (4.10 dB/100 m) @ 3 MHz 1.65 dB/100 ft (5.41 dB/100 m) @ 6 MHz
DATA RATE	3 Mb/s – Single Channel 6 Mb/s – Dual Channel
APPROVALS	UL CMP CL2P, c(UL)
FLAME RATING	Meets UL Subject 910 Steiner Tunnel Test
MARKING	"CLARITY" by DELCO WIRE #394057/** 24 AWG 110 OHM DIGITAL AUDIO (UL) CMP CL2P C(UL) Sequential Footing Markings 0-9999

ALL DIMENSIONS NOMINAL UNLESS SPECIFIED AND SUBJECT TO CHANGE WITHOUT NOTICE

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