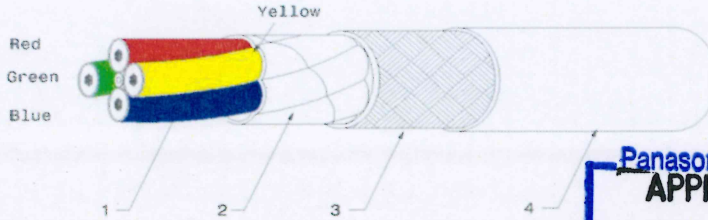
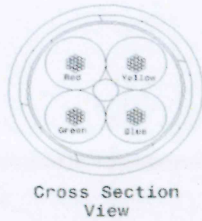


Rev:	Change:	By:	Date:
E	Removed preliminary status	J. Ponce	6/17/2014



Panasonic Avionics Corporation
APPROVED AUG 20 2014

Char.
No from
form 3
of
AS9102

Construction:		OD (In.)
1) Conductor:	Stranded 26 AWG 19/38 Silver Plated Copper Alloy Maximum DCR 43.0 ohms/1000 ft	0.0189 ± 0.001"
Insulation Material:	Fluorinated Ethylene Propylene (FEP)	0.038" nom.
Colors:	Pair 1: Red, Blue Pair 2: Yellow, Green	
Cabling:	Cable 4 primaries with filler	0.088" nom.
Filler Material:	Fluorinated Ethylene Propylene (FEP)	
2) Binder:	PTFE Tape	0.090" nom.
3) Braid:	Round 38 AWG Tin Plated Copper 90% min coverage Nominal DCR 8 ohms/1000 ft	0.106" nom.
4) Jacket:	Black FEP	0.138" nom/0.148" max
Marker Tape Material:	Meta-Aramid (Nomex)	
Marker Tape Legend:	PANASONIC AVIONICS CORPORATION MA-WI0008-002 0FF57 HARBOUR INDUSTRIES Q10026305 27478	

Physical Characteristics:

1) Weight per 1000':	20.0 lbs max.
2) Minimum bend radius:	0.888"
3) Voltage Rating:	100 Vrms min
4) Outer Jacket:	Meets or Exceeds requirements of ABD0031 and FAR 25.853
5) Temperature Rating:	150 °C
6) Test Requirements:	Data/Power Components and Cable Jacket meets or exceeds Requirements as stated in Panasonic MA-WI0008 Table 6
7) RoHS Compliance:	Complies with RoHS (Directive 2002/95/EC)

Electrical Characteristics:

1) Impedance:	100	+/- 10 ohms		
2) Capacitance:	15	pf/ft nom.		
3) Velocity of Propagation:	70	% nom.		
4) Data Pair Time Delay:	Not Required			
5) Attenuation:	Freq (Mhz)	dB/100m Max.	dB/100ft Max.	
	1	4.0	1.219	
	10	10.5	3.200	
	100	36.0	10.972	
6) Attenuation length budget*:	Not Required			

*Max length to meet TIA/EIA Cat5E Electrical Insertion Loss Requirement

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Approved By: *S. Dike*

Date: 10/11/13

Scale: None

Drawing Name:

Part Number:

Q10026305

Rev:

E

Sheet:

1 of 1

Drawing Number:

090806_353

MA-WI0008-002