



Coast™ Custom Cable

Tel: (908) 925-8000 E-mail: coast@alphawire.com

Distributor Name: IEWC

End Use Customer: **Boya**

IP Owner: IEWC

Part Number: **18-1043RA SL199**

Revision: **A**

Customer P/N: **N/A**

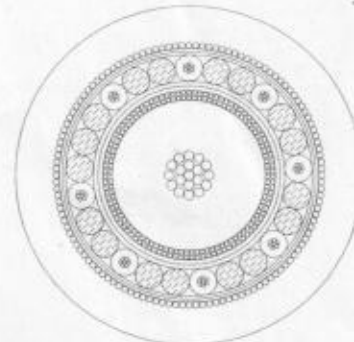
Customer Revision: **N/A**

Cable Specification

9/C Composite Shielded Cable

CONDUCTORS

Wire Size & Type: 34 AWG (7/42) Silver Plated Copper
 Nom. Wire Diameter: 0.008
 Insulation Type: PFA
 Nom. Ins Thickness: 0.005
 Conductor Diameter: **0.018**
 Tolerance (+/-): 0.002
 Colors: Black, Brown, Red, Orange, Yellow, Green, Blue, White



COMPONENT

Description: 22 AWG 50 Ohm Coaxial (1 Req'd)
 Nominal Diameter: **0.121**

ASSEMBLY

Core Cabling: 8/C 34 AWG Cabled Around 22 AWG Coaxial
 Filler: Fiberglass
 Binder: White PTFE Tape

SHIELD

Type: Spiral
 Material: Silver Plated Copper
 Required Coverage: 90% minimum
 AWG: #38

JACKET

Material Type: Tube Gray PVC
 Separator: None
 Nom. Jkt Thickness: 0.024
 Cable Diameter: **0.220**
 Tolerance (+/-): 0.010

TESTS

Test 1: Continuity
 Test 2: Shorts
 Test 3: Physical/Dimensional

MISCELLANEOUS

Temperature: -20°C to 105°C
 Put Ups: Bulk, May Contain Multiple Lengths Per Reel
 Reel: Wood or Plastic
 Colors: Munsell® Component Limits of Deviation

ENVIRONMENTAL COMPLIANCE

RoHS: European Directive 2011/65/EU (ROHS2) and amending Directive 2015/863/EU

APPROVALS

Final Product: None

Rev A

Was 26 AWG (19), 7 Conductors, Binder Was Clear Mylar, OD Was 0.275

MC 3/8/18

Dimensions in inches unless otherwise specified

Prepared By: Mike Cother

Date: 1/17/2018

Customer Approval:

Oliver Wang

Title: *项目经理*

Date: *2018.4.4*

PROPRIETARY NOTICE

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BOYA



Coast™ Custom Cable

Tel: (908) 925-8000 E-mail: coast@alphawire.com
 Distributor Name: **IEWC**
 End Use Customer: **Boya**
 IP Owner: **IEWC**

Part Number: **181043ACX WH199**

Revision: **A**

Customer P/N: **N/A**
 Customer Revision: **None**

Coaxial Specification

22 AWG 50 Ohm Coaxial

CONDUCTOR

Size & Type: 22 AWG (19/34) Silver Plated Copper
 Nom. Diameter: 0.032

DIELECTRIC

Insulation Type: Natural Clear PFA
 Nom. Ins Thickness: 0.033
 Conductor Diameter: **0.097**
 Tolerance (+/-): 0.003

SHIELD

Type: Braid
 Material: Silver Plated Copper
 Required Coverage: 90% minimum
 AWG: #40

JACKET

Material Type: White PTFE Tape
 Nominal Diameter: **0.121**
 Tolerance (+/-): 0.006

ELECTRICAL PROPERTIES

Impedance: 50 Ohms Nominal
 Capacitance: 29 pF/ft. Nominal

Attenuation(Calculated):	Freq. (GHz)	Attenuation (dB/100ft.)	Attenuation (dB/KM)
	2	23.92	784.79
	4	34.48	1131.33
	8	50.08	1642.88
	12	62.56	2052.47

TESTS

- Test 1: Continuity
- Test 2: Shorts
- Test 3: Physical/Dimensional
- Test 4: Spark - 6000Vac Dielectric Only

MISCELLANEOUS

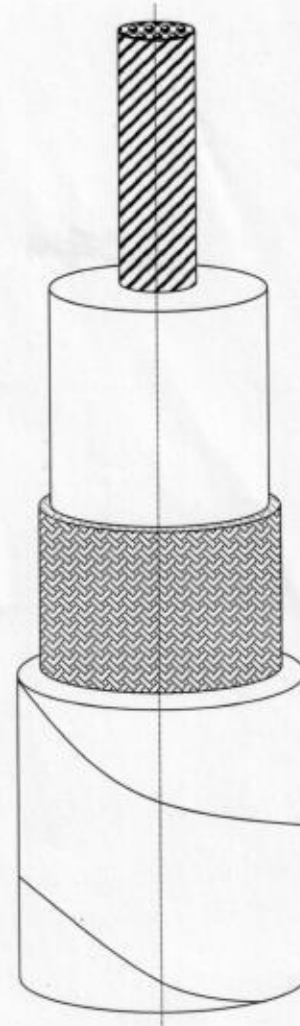
Temperature: -50°C to 200°C
 Colors: Munsell® Component Limits of Deviation

ENVIRONMENTAL COMPLIANCE

RoHS: European Directive 2011/65/EU(ROHS2) and amending Directive 2015/863/EU

APPROVALS

Final Product: None



Rev A

Was 20 AWG (19), FEP Dielectric, FEP Jacket

MC 3/8/18

Dimensions in inches unless otherwise specified

Prepared By: Mike Cother

Date: 1/17/2018

Customer Approval: *Divey Wang*

Title: *TRM 3/24*

Date: *2018.4.4*

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