



Coast™ Custom Cable

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

Part Number: **18-1444 OR199**

Revision: **None**

End Use Customer: **Stanford Linear Accelerator**

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

IP Owner: **Stanford Linear Accelerator**

Notes

Cable Specification

2/PR 20 AWG + 8/C 22 AWG Shielded Cable

CONDUCTORS

Wire Size & Type: 20 AWG (19X32) Tinned Copper
Nom. Wire Diameter: 0.040
Insulation Type: mPPE
Nom. Ins Thickness: 0.012
Conductor Diameter: **0.064**
Tolerance (+/-): 0.003
Colors: See Twisted Pairs

SUB-ASSEMBLY Twisted Pairs

Nom. Diameter: 0.128
Colors: Black w/ Blue
Orange w/ White

PAIR SHIELD

Type: Braid
Material: Tinned Copper
Required Coverage: 85% minimum
AWG: #36

ASSEMBLY

Core Cabling: 2 Pair 20 AWG + 8 Conductor 22 AWG
Nom. Diameter: 0.316
Filler: As required for uniform round construction.
Binder: None
Drain: 22 AWG (19X34) Tinned Copper (Between Foil and Braid)
Shield: Aluminum/Mylar (100% Coverage, 25% Min. Overlap, Foil Facing OUT)

JACKET

Material Type: Orange mPPE
Separator: None
Nom. Jkt Thickness: 0.022
Cable Diameter: **0.354**
Tolerance (+/-): 0.010
Print: Ink Color
Legend: E163869-CA 2PR20 8C22 RU AWM 2555 80C 300V VW-1 OR
C(RU) AWM I A/B FT1 80C 300V CE ROHS

TESTS

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

MISCELLANEOUS

Voltage: 300V
Temperature: -40°C to +80°C
Put Ups: Bulk, May Contain Multiple Lengths Per Reel
Reel: Wood or Plastic
Colors: Munsell® Wire & Cable Limits of Deviation

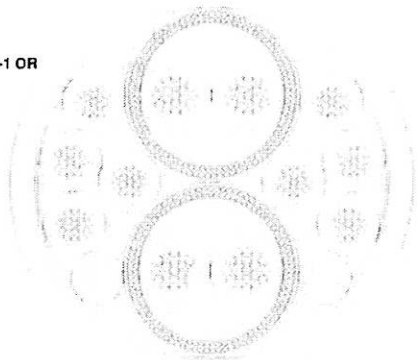
ENVIRONMENTAL COMPLIANCE

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

APPROVALS

Final Product: UL: AWM STYLE 2555 80C 300V VW-1
CSA: C(RU) AWM I A/B FT1

Note: Cable drawing is representative only and may not match the specific configuration of the final product



Dimensions in inches unless otherwise specified

Prepared By: Jason Kovaric

Date: 8/2/2018

Customer Approval:

Title: ERNESTO PAISER

Date: 8/21/2018

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