



Coast™ Custom Cable

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

Part Number: 18-1445 BK199

Revision: None

End Use Customer: Stanford Linear Accelerator

Customer P/N: N/A

IP Owner: Stanford Linear Accelerator

Cable Specification

1/PR 20 AWG + 6/PR 22 AWG Shielded LSZH Cable

CONDUCTORS

Wire Size & Type: 20 AWG (19X32) Tinned Copper
Nom. Wire Diameter: 0.040
Insulation Type: LSZH TPE
Nom. Ins Thickness: 0.017
Conductor Diameter: 0.074
Tolerance (+/-): 0.003
Colors: See Twisted Pairs

CONDUCTORS

Wire Size & Type: 22 AWG (19X34) Tinned Copper
Nom. Wire Diameter: 0.032
Insulation Type: LSZH TPE
Nom. Ins Thickness: 0.017
Conductor Diameter: 0.066
Tolerance (+/-): 0.002
Colors: See Twisted Pairs

SUB-ASSEMBLY Twisted Pairs

Nom. Diameter: 0.148
Colors: Black w/ Red

SUB-ASSEMBLY Twisted Pairs

Nom. Diameter: 0.131
Colors: Black w/ Red
Black w/ White
Black w/ Green
Black w/ Blue
Black w/ Brown
Black w/ Yellow

ASSEMBLY

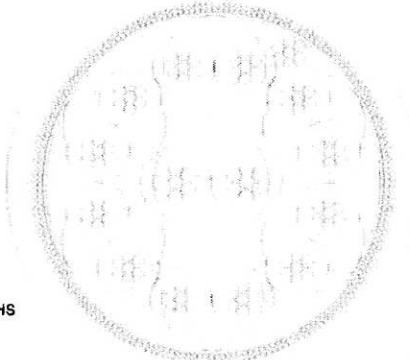
Core Cabling: 1 Pair 20 AWG + 6 Pair 24 AWG
Nom. Diameter: 0.365
Filler: As required for uniform round construction.
Binder: None
Drain: 22 AWG (19X34) Tinned Copper (Between Foil and Braid)
Shield: Aluminum/Mylar (100% Coverage, 25% Min. Overlap, Foil Facing OUT)

SHIELD

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

JACKET

Material Type: LSZH Black TPE
Separator: None
Nom. Jkt Thickness: 0.022
Cable Diameter: 0.423
Tolerance (+/-): 0.010
Print: Ink Color
Legend: ALPHAWIRE-CA 1PR20 6PR22 UL CM 90C CE ROHS



TESTS

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

MISCELLANEOUS

Voltage: 300V
Temperature: -30°C to +90°C
Put Ups: Bulk, May Contain Multiple Lengths Per Reel
Reel: Wood or Plastic
Colors: Munsell® Wire & Cable Limits of Deviation
Flame Ratings: IEC 60332-1 IEC 61034-2
IEC 60754-1 IEC 60754-2

ENVIRONMENTAL COMPLIANCE

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

APPROVALS

Final Product: None

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: E. PAISER

Date: 8/2/2018

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