



Coast™ Custom Cable

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

Part Number: 18-1443 BK199

Revision: None

End Use Customer: Stanford Linear Accelerator  
IP Owner: Stanford Linear Accelerator

Customer P/N: N/A

Cable Specification

2/PR 18 AWG + 8/C 22 AWG Shielded LSZH Cable

CONDUCTORS

Wire Size & Type: 18 AWG (19X30) Tinned Copper  
Nom. Wire Diameter: 0.050  
Insulation Type: LSZH TPE  
Nom. Ins Thickness: 0.016  
Conductor Diameter: 0.082  
Tolerance (+/-): 0.003  
Colors: See Twisted Pairs

SUB-ASSEMBLY Twisted Pairs

Nom. Diameter: 0.164  
Colors: Black w/ Blue  
Orange w/ White

PAIR SHIELDS

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

ASSEMBLY

Core Cabling: 2 Pair 18 AWG + 8 Conductor 22 AWG  
Nom. Diameter: 0.394  
Filler: As required for uniform round construction.  
Binder: Mylar  
Drain: 22 AWG (7X30) Tinned Copper  
Shield: Aluminum/Mylar (100% Coverage, 25% Min. Overlap, Foil Facing In)

JACKET

Material Type: LSZH Black TPE  
Separator: None  
Nom. Jkt Thickness: 0.022  
Cable Diameter: 0.438  
Tolerance (+/-): 0.010  
Print: Ink Color  
Legend: ALPHAWIRE-CA 2PR18 8C22 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  
REACH: Regulation (EC 1907/2006)

APPROVALS

Final Product: UL CM

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: 4/4/2018

Customer Approval:

Title: E. PAISER

Date: 8/21/2018

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