



**Coast™ Custom Cable**

Tel: (908) 925-8000 E-mail: coast@alphawire.com  
IP Owner: **Modular Mining**  
End Use Customer: **Modular Mining**

Part Number: **16-1796 SL199**

Revision: **None**

Customer P/N: **108379**

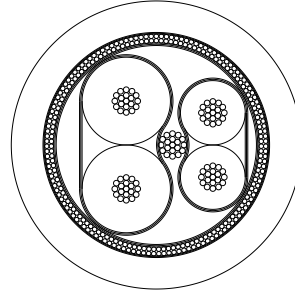
Customer Revision: **N/A**

**Cable Specification**

**4/C 22 AWG (2 PR) Shielded Cable**

CONDUCTORS

**Wire Size & Type:** 22 AWG (19/34) Tinned Copper  
**Nom. Wire Diameter:** 0.032  
**Insulation Type:** PVC  
**Nom. Ins Thickness:** 0.020  
**Conductor Diameter:** **0.072**  
**Tolerance (+/-):** 0.003  
**Colors:** #1 Black  
                  #2 Red



CONDUCTORS

**Wire Size & Type:** 22 AWG (19/34) Tinned Copper  
**Nom. Wire Diameter:** 0.032  
**Insulation Type:** Foamed HDPE  
**Nom. Ins Thickness:** 0.033  
**Conductor Diameter:** **0.098**  
**Tolerance (+/-):** 0.003  
**Colors:** #1 Blue  
                  #2 White

ASSEMBLY

**Core Cabling:** 4/C Cabled (2 Shielded Pairs COMMON AXIS)  
                  #1 Red Paired With Black  
                  #2 Blue Paired With White - **Characteristic Impedance: 120 Ohms Nominal Calculated**  
**Shield:** Aluminum/Mylar Over Each Pair (100% Coverage, 25% Min. Overlap, Foil Facing **OUT**)  
**Common Drain:** 22 AWG (19/34) Tinned Copper (Placed Between Pairs)  
**Overall Shield:** Aluminum/Mylar (100% Coverage, 25% Min. Overlap, Foil Facing **IN**)

SHIELD

**Type:** Braid  
**Material:** Tinned Copper  
**Required Coverage:** 65% minimum  
**AWG:** #36

JACKET

**Material Type:** Standard Slate PVC Flexalloy  
**Separator:** Clear Mylar (100% Coverage, 25% Min. Overlap)  
**Nom. Jkt Thickness:** 0.035  
**Cable Diameter:** **0.320**  
**Tolerance (+/-):** 0.010  
**Print:** Ink Color BLACK  
**Legend:** ALPHA WIRE-CA P/N 16-1796 DEVICENET THIN --- 2PR22 SHIELDED

TESTS

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

MISCELLANEOUS

**Voltage:** 300V<sub>RMS</sub>  
**Temperature:** -40°C to 80°C  
**Bend Radius:** Fixed Installation - 4x Cable OD Min.; Flexing- 10x Cable OD Min.  
**Put Ups:** 500 Ft. Continuous -0/+1%  
**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

Dimensions in inches unless otherwise specified

**Prepared By:** Mike Cother

**Date:** 5/11/2016

**Customer Approval:**

*Kevin Herron*

**Title:** PURCHASING MANAGER

**Date:** 7/26/18

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