



Coast™ Custom Cable

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Part Number: 18-1507 BK199

Revision: None

From AlphaWire

End Use Customer: VAT Vakuumentile AG

Customer P/N: N/A

IP Owner: VAT Vakuumentile AG

Customer Revision: N/A

Cable Specification

4/C 20 + 10/PR 26 AWG Shielded Non-Hal Cable

CONDUCTORS

Wire Size & Type: 26 AWG (19X38) Tinned Copper
Nom. Wire Diameter: 0.020
Insulation Type: mPPE
Nom. Ins Thickness: 0.007
Conductor Diameter: 0.034
Tolerance (+/-): 0.002
Color Code: Per DIN 47100
Colors: White, Brown, Green, Yellow, Grey, Pink, Blue, Red, Black, Violet

CONDUCTORS

Wire Size & Type: 20 AWG (19X32) Tinned Copper
Nom. Wire Diameter: 0.040
Insulation Type: mPPE
Nom. Ins Thickness: 0.008
Conductor Diameter: 0.056
Tolerance (+/-): 0.002
Color Code: Per DIN 47100
Colors: White, Brown, Green, Yellow

SUB-ASSEMBLY 26 AWG Twisted Pairs

Nom. Diameter: 0.068
Pair Colors: #1 White paired with Brown, #2 Green paired with Yellow, #3 Gray paired with Pink, #4 Blue paired with Red, #5 Black paired with Violet

#6 Gray/Pink paired with Red/Blue, #7 White/Green paired with Brown/Green, #8 White/Yellow paired with Yellow/Brown, #9 White/Gray paired with Gray/Brown, #10 White/Pink paired with Pink/Brown

20 AWG ASSEMBLY

Core Cabling: Cabled
Nom. Diameter: 0.135
Filler: None
Binder: None
Drain: None
Shield: See Shield Below

20 AWG ASSEMBLY SHIELD

Type: Braid
Material: Tinned Copper
Required Coverage: 85% minimum
AWG: #38

OVERALL ASSEMBLY

Core Cabling: 20 AWG Subassembly + 10 Pairs of 26 AWG
Nom. Diameter: 0.265
Filler: As required for uniform round construction.
Binder: None
Drain: None
Shield: See Shield Below

OVERALL ASSEMBLY SHIELD

Type: Braid
Material: Tinned Copper
Required Coverage: 85% minimum
AWG: #36
Diameter over shield: 0.285

JACKET

Material Type: Black mPPE
Separator: None
Nom. Jkt Thickness: 0.020
Cable Diameter: 0.325
Tolerance (+/-): 0.012
Print: White Ink
Legend: E163869-CA 4C20 10PR26 SHIELDED RU AWM 21460 80C 300V VW-1 C(RU) AWM I A/B FT1 80C 300V

TESTS

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

MISCELLANEOUS

Voltage: 300V
Temperature: -30°C to +80°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
REACH: Regulation (EC 1907/2006)

APPROVALS

Final Product: UL AWM 21460 80C 300V VW1
C(UL) AWM I A/B FT1 80C 300V

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: 3/23/2018

Customer Approval: [Signature]
Title: Sr. System Eng
Date: 27. April 2018

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