

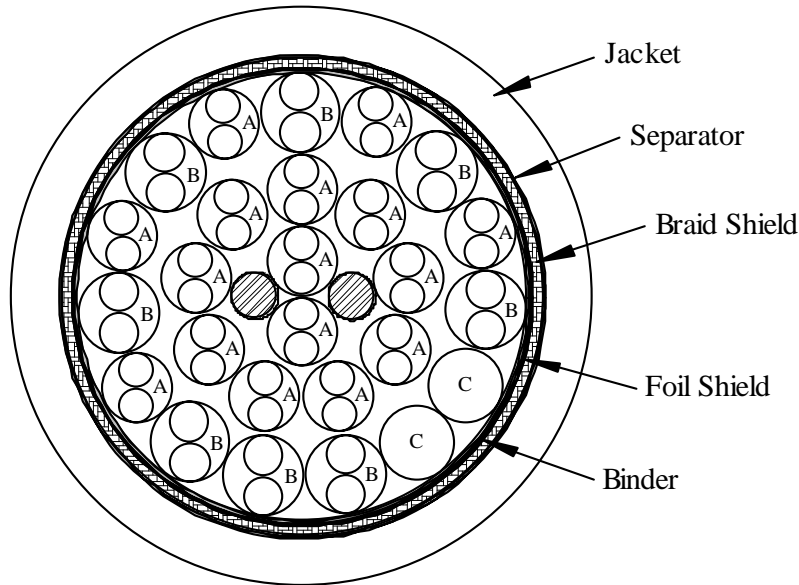
Description: Fifty Conductor Composite Cable
 Overall Foil Shield, Braid Shield
 and TPE Jacket

Date: 10/25/2013

JM Part Number: TBD
Reference: PS374513-04

Cable Diagram

Location of Components and Fillers may vary from Cable Diagram.



Components

- Component A:** Sixteen 24 AWG Twisted Pairs
 Conductor: 24 AWG, 19/36 tinned copper
 Insulation: .010" nominal wall of Semi-Rigid PVC (see color code) .044"
 Pair Twist: Two 24 AWG conductors twisted together, LH Lay
- Component B:** Eight 22 AWG Twisted Pairs
 Conductor: 22 AWG, 19/34 tinned copper
 Insulation: .010" nominal wall of Semi-Rigid PVC (see color code) .050"
 Pair Twist: Two 22 AWG conductors twisted together, LH Lay
- Component C:** Two 16 AWG Conductors
 Conductor: 16 AWG, 19/.0117 tinned copper
 Insulation: .010" nominal wall of Semi-Rigid PVC (see color code) .076"

Cable Construction

- Cabling:** Sixteen A components, Eight B components, and Two C Components cabled together with fillers as necessary for roundness
- Binder:** Fleece tape
- Foil Shield:** Aluminum-Mylar tape, Aluminum side OUT
- Braid Shield:** 34 AWG tinned copper braid, 95% coverage
- Separator:** Tissue tape
- Jacket:** .048" nominal wall of Pressured Black TPE .585" (.600" Max)

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Revised By:	rjc	10/25/2013	Rev. 0	Initial Issue
Revised By:	rjc	11/8/2013	Rev. 1	Changed conductor marking from Bands to Stripes
Revised By:				
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Print

E138031 16TP/24 + 8TP/22 + 2C/16 75C (UL) TYPE CM OR AWM 20327 105C 300V
--- CSA AWM I/II A/B 105C 300V FT4 --- CE ROHS

Color Code Stripes on all applicable conductors

Component A: Pair 1: White/Blue and Blue/White
Pair 2: White/Orange and Orange/White
Pair 3: White/Green and Green/White
Pair 4: White/Brown and Brown/White
Pair 5: White/Gray and Gray/White
Pair 6: Black and Brown
Pair 7: Red and Orange
Pair 8: Yellow and Green

Pair 9: Blue and Violet
Pair 10: Gray and White
Pair 11: White/Black and White/Brown
Pair 12: White/Red and White/Orange
Pair 13: White/Yellow and White/Green
Pair 14: White/Blue and White/Violet
Pair 15: White/Gray and Green/Black
Pair 16: Green/Brown and Green/Red

Component B: Pair 1: Yellow/Black and Yellow/Brown
Pair 2: Yellow/Red and Yellow/Orange
Pair 3: Yellow/Green and Yellow/Blue
Pair 4: Yellow/Violet and Yellow/Gray

Pair 5: Orange/Black and Orange/Brown
Pair 6: Red/Blue and Blue/Red
Pair 7: Red/Orange and Orange/Red
Pair 8: Red/Green and Green/Red

Component C: 1. Red/Blue
2. Red/Black

Requirements

Temperature: 75C (UL Type CM)
105C (CSA & AWM 20327)

Voltage: 300V

Approvals: UL Type CM
UL AWM Style 20327
CSA AWM FT1
CE-LVD and RoHS Compliant
(2011/65/EU)

Conductor DCR: 24.9 Ohms/1000 FT (Component A)
15.5 Ohms/1000 FT (Component B)
4.4 Ohms/1000 FT (Component C)