

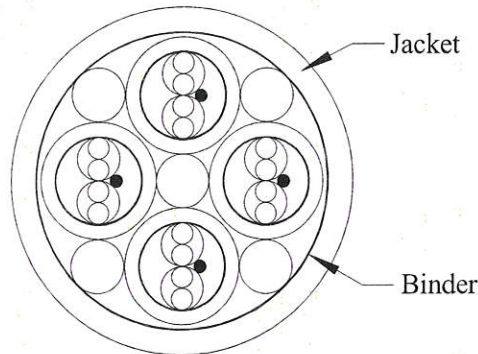
**Description:** Twenty-One Conductor Composite Cable

**Date:** 1/8/2009

**JM Part Number:** JM55729

**Reference:** TBD

**Cable Diagram**



**Components**

**Component A:** Five 18 AWG Insulated Conductors

Conductors: 18 AWG, 16/30 bare copper  
 Insulation: .016" nominal wall of PVC (see color Code) .077"

Colors: Red, Black, Dark Green, Brown, and White

**Component B:** Four Jacketed 22 AWG Quads (Two Shielded Pairs In Each Quad)

Conductors: 22 AWG, 7/30 tinned copper  
 Insulation: .008" nominal wall of Polypropylene  
 Pair Twist: Two insulated conductors twisted together  
 Foil Shield: Aluminum-Mylar tape, Aluminum side OUT .096" (major axis)  
 Cabling: Two shielded pairs cabled together on a common axis  
 Drain Wire: 24 AWG, 7/32 tinned copper (common drain wire)  
 Binder: Clear Mylar tape  
 Jacket: .021" nominal wall of Chrome Gray PVC .169"

Colors: Each Quad will have One Pair (Black and Red) and One Pair (Green and White)  
 Comp B Jacket Print: Each Quad will be printed with Black Ink, legends to be **AV1** through **AV4**

**Overall Cable**


Cabling: Core: One A Component  
 Layer 1: Four B Components with Four A components in the interstices  
 Binder: Clear Mylar tape  
 Jacket: .045" nominal wall of Yellow PVC .503"

**Print**

**E66440 AWM 2919 80C 30V LOW VOLTAGE 3RDEYE CERTIFIED BODYBUILDER  
 A/V & RADAR COMMUNICATION CABLE - PATENTS: 8642890B2 & 9330812B2**

**Requirements**

Temperature: -20°C to 80°C Approvals: UL AWM Style 2919  
 Voltage: 30V RoHS Compliant

Revised By:	rac	8/4/2016	Rev. 3	Update Print Legend - Per ECN 329
Revised By:	rac	8/9/2016	Rev. 4	Update Print Legend - Per ECN 329
Revised By:	rac	10/20/2016	Rev. 5	Add missing  to print
Revised By:	rac	4/5/2017	Rev. 6	Update Print Legend - Per ECN 382

Authorized  
Jace P. Kelly  
4/2/17