

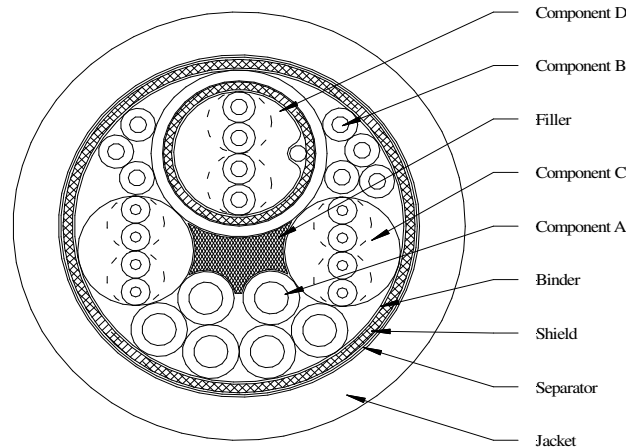
Description: Twenty-Five Conductor Composite Cable
 Overall PVC Jacket

Date: 12/21/2016

JM Part Number: TBD

Reference: MS14617

Diagram



Components

Component A:	Six 22 AWG Insulated Conductors	
Conductor:	22 AWG, 19/34 tinned copper	
Insulation:	.010" nominal wall of SR-PVC (See Color Code)	.050"
Component B:	Seven 28 AWG Insulated Conductor	
Conductor:	28 AWG, 7/36 tinned copper	
Insulation:	.008" nominal wall of Polyethylene (See Color Code)	.031"
Component C:	Two Groups - Each Group With Two 28 AWG Pairs	
Conductor:	28 AWG, 7/36 tinned copper	
Insulation:	.008" nominal wall of Polyethylene (See Color Code)	.031"
Pair:	Two Insulated Conductors twisted together	
Group Assembly:	Two Pairs cabled together	.102"
Component D:	One Group - With Two 28 AWG Shielded Pairs	
Conductor:	28 AWG, 7/36 tinned copper	
Insulation:	.010" nominal wall of Polyethylene (See Color Code)	.035"
Pair:	Two Conductors twisted together	
Group Assembly:	Two Pairs cabled together	
Foil Shield:	Aluminum-Mylar tape, Aluminum Side Out	
Drain Wire:	28 AWG, 7/36 tinned copper	
Pair Shield:	38 AWG tinned copper braid, 85% coverage	
Pair Jacket:	.010" nominal wall of Black Polyurethane	.155"

Cable Construction

Cabling:	Components A - D cabled together with fillers as needed	
Binder:	PTFE Tape Wrap	
Shield:	38 AWG tinned copper braid, 85% coverage	
Separator:	Tissue tape	
Jacket:	.040" nominal wall of pressured Lt Gray(Similar to RAL7035)PVC	.395"

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NONE



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Color Code

Component A: 1. Black 2. Black/White 3. Black/Blue 4. Red 5. Red/White 6. Red/Blue

Component B: 1. Black 2. Brown 3. Red 4. Orange 5. Yellow 6. Green 7. Blue

Component C: Group: 1. White/Blue & Blue/White and 2. White/Orange & Orange/White
 Group: 2. White/Green & Green/White and 2. White/Brown & Brown/White

Component D: 1. White and Blue 2. White and Orange

Requirements

Temperature: 80°C

Approvals: NONE

Voltage: 300V

Impedance: 100 Ω Nom. (Component C and D)

Written By:	rac	12/21/2016	Rev. 0	Initial Issue
Revised By:	RL	1/19/2016	Rev. 1	Added Drawing
Revised By:				
Revised By:				