

**Description:** Twenty-Five 24 AWG Shielded Pairs  
 Overall Foil Shield, Braid Shield,  
 and PVC Jacket

**Date:** 1/10/2014

**JM Part Number:** JM57142  
**Reference:** PS177469.09.5.122

**Components**

Conductors: 24 AWG, 7/32 tinned copper  
 Insulation: .008" nominal wall of PVC (see color code) .040"  
 Pair Twist: Two conductors twisted together with variable lay lengths  
 Drain Wire: 24 AWG, 7/32 tinned copper  
 Foil Shield: Aluminum-Mylar tape, foil free edge, Aluminum side IN

**Cable Construction**

Cabling: Core: Two Shielded Pairs, LH Lay  
 Layer 1: Eight Shielded Pairs, LH Lay  
 Layer 2: Fifteen Shielded Pairs, LH Lay  
 Separator: Clear Mylar Tape  
 Foil Shield: Aluminum-Mylar tape, Aluminum side OUT  
 Drain Wire: 24 AWG, 7/32 tinned copper  
 Braid Shield: 36 AWG tinned copper braid, 85% coverage  
 Ripcord: Nylon  
 Jacket: .035" nominal wall of Gray PVC .552" Nom (.570" Max)

**Print**

**E138031 25/PR 24 AWG SHIELDED 105C (UL) OR C(UL) TYPE CM**

**Color Code** Striped Where Applicable (Not Band Marked)

Pair 1: Black and Brown	Pair 14: White/Black/Gray and White/Brown/Red
Pair 2: Red and Orange	Pair 15: White/Brown/Orange and White/Brown/Yellow
Pair 3: Yellow and Green	Pair 16: White/Brown/Green and White/Brown/Blue
Pair 4: Blue and Violet	Pair 17: White/Brown/Violet and White/Brown/Gray
Pair 5: Gray and White	Pair 18: White/Red/Orange and White/Red/Yellow
Pair 6: White/Black and White/Brown	Pair 19: White/Red/Green and White/Red/Blue
Pair 7: White/Red and White/Orange	Pair 20: White/Red/Violet and White/Red/Gray
Pair 8: White/Yellow and White/Green	Pair 21: White/Orange/Yellow and White/Orange/Green
Pair 9: White/Blue and White/Violet	Pair 22: White/Orange/Blue and White/Orange/Violet
Pair 10: White/Gray and White/Black/Brown	Pair 23: White/Orange/Gray and White/Yellow/Green
Pair 11: White/Black/Red and White/Black/Orange	Pair 24: White/Yellow/Blue and White/Yellow/Violet
Pair 12: White/Black/Yellow and White/Black/Green	Pair 25: White/Yellow/Gray and White/Green/Blue
Pair 13: White/Black/Blue and White/Black/Violet	

**Requirements**

Temperature: 105°C  
 Voltage: 600V

Approvals: M16878/1 (Inners Only)  
 UL or C(UL) CM  
 Materials are RoHS Compliant (2011/65/EU)

Written By:	rjc	1/10/2014	Rev. 0	Initial Issue
Revised By:	scs	2/13/2014	Rev. 1	Added JM Number and Max OD
Revised By:	rjc	4/1/2014	Rev. 2	Revised per sample provided
Revised By:				