

Description: Twenty-Five Pair Cable
 Overall Foil/Braid Shield and
 PVC Jacket

Date: 5/19/2010

JM Part Number: JM56063

Reference: 1510053-025

Components		Twenty-Five 24 AWG Twisted Pairs
Conductor:	24 AWG, 7/32 tinned copper	
Insulation:	.010" nominal wall of Semi-Rigid PVC (see color code)	.044"
Pair:	Two conductors twisted together, 1.2" lay	.088" (major axis)

Cable Construction

Cabling: Twenty-Five twisted pairs cabled together with FRPP fillers, as necessary, to maintain cable roundness
Foil Shield: Aluminum-Mylar, Aluminum side OUT, 100% coverage
Braid Shield: 36 AWG tinned copper braid, 65% coverage
Jacket: .050" nominal wall of Gray PVC .556" nominal

Print

E138031 25/PR 24 AWG SHIELDED TYPE CMG (UL) 80°C OR AWM 2464 80°C 300V OR c(UL) CMG FT4 RoHS CE

Color Code

Pair 1: Wht/Blu & Blu/Wht	Pair 10: Red/Gry & Gry/Red	Pair 18: Yel/Grn & Grn/Yel
Pair 2: Wht/Org & Org/Wht	Pair 11: Blk/Blu & Blu/Blk	Pair 19: Yel/Brn & Brn/Yel
Pair 3: Wht/Grn & Grn/Wht	Pair 12: Blk/Org & Org/Blk	Pair 20: Yel/Gry & Gry/Yel
Pair 4: Wht/Brn & Brn/Wht	Pair 13: Blk/Grn & Grn/Blk	Pair 21: Pur/Blu & Blu/Pur
Pair 5: Wht/Gry & Gry/Wht	Pair 14: Blk/Brn & Brn/Blk	Pair 22: Pur/Org & Org/Pur
Pair 6: Red/Blu & Blu/Red	Pair 15: Blk/Gry & Gry/Blk	Pair 23: Pur/Grn & Grn/Pur
Pair 7: Red/Org & Org/Red	Pair 16: Yel/Blu & Blu/Yel	Pair 24: Pur/Brn & Brn/Pur
Pair 8: Red/Grn & Grn/Red	Pair 17: Yel/Org & Org/Yel	Pair 25: Pur/Gry & Gry/Pur
Pair 9: Red/Brn & Brn/Red		

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C to 80°C **UL Temperature Rating:** 80°C (UL AWM Style 2464)
Min. Bend Radius (Install): 5.5" (minor axis) **Bulk Cable Wt:** 176 lbs/kft

Approvals (Overall)

NEC/(UL) Specification: CMG **AWM Specification:** UL Style 2464 (300V / 80°C)
CEC/C(UL) Specification: CMG **Flame Tests:** C(UL) FT4
RoHS and CE: Yes

Electrical Characteristics:

Nominal Characteristic Impedance: 75 Ω
Nominal Capacitance: 30 pF/ft, nominal (conductor to conductor)
 50 pF/ft, nominal (conductor to shield)
Nominal velocity of Propagation: 60%
Nominal Conductor DCR: 24 Ohms/kft @ 20°C
Nominal Outer Shield DCR: 2.5 Ohms/kft @ 20°C
Max. Operating Voltage - UL: 300V RMS (UL AWM Style 2464)
Max. Recommended Current: 1.1 Amps per conductor @ 25°C

Written By:	rjc	5/19/2010	Rev. 0	Initial Issue
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