

Description: Ethernet Media Traveling Cable
Twenty Eight Conductor Composite Cable,
Overall Cotton Braid, PVC Jacket

Create Date: 11/06/2025

JM Part No: JMCTCSCME14

Reference: TCSCME14

Cable Diagram



Components

Nom OD

Component A: Six 20 AWG Pair, Overall Braid Shield, PVC Jacket

Conductor: 20 AWG (0.519 mm²), 10/30 bare copper

Insulation: .020" nominal wall of PVC (see color code)

Pair Twist: 2 conductors cabled together

Braid Shield: 36 AWG bare copper braid, 85% coverage

Jacket: .025" nominal wall of PVC (see color code)

.077"

.224"

Component B: Two 4/Pr 24 Cat 6 Cable

Conductor: 24 AWG, 7/32 tinned copper

Insulation: .011" nominal wall of Polyethylene (see color code)

Pair Twist: 2 conductors cabled together

Cabling: 4 pairs cabled together around spline separator

Binder: .005" Foam Polypropylene tape, 50% overlap

Braid Shield: 38 AWG tinned copper braid, 75% coverage

Tape Shield: Aluminum/Mylar tape, Foil In

Jacket: .0385" nominal wall of pressured Black TPE

Print: (White Inkjet) ETHERNET CAT 6 C(UL)US CM 4PR 24 AWG

.092"

.325"

Component C: One Strength Member, PVC Insulation, Overall Cotton Braid

Strength Member: 5/32" 7x19 Galvanized Steel

Insulation: .1265" nominal wall of Black PVC

Braid: Cotton braid

.445"

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Overall Cable Construction

Cabling: Six A, Two B and One C cabled together with Jute fillers

Binder: Open Nylon wrap

Braid: Cotton braid

Jacket: .085" nominal wall of semi-pressured Black PVC

1.305"

Print White Inkjet, Every 24"

JAMES MONROE W&C TCSCME14 STEEL CORE 12-20 AWG(.519MM2) + 16-24 AWG(.205MM2) E82930 (UL) - ETT 60C
300V SHIELDED - C(UL) FT1 METAL SUPPORT MEMBER MMDD-XXX-YYYY (Date Code)

[Sequential Footage Marking]

Color Code

Component A

1. White - Red 2. White - Red 3. White - Red 4. White - Red 5. White - Red 6. White - Red

Jacket A:

1. Red 2. Black 3. Yellow 4. Orange 5. Brown 6. Blue

Component B

1. White/Blue - Blue 3. White/Green - Green 5. White/Blue - Blue 7. White/Green - Green
2. White/Orange - Orange 4. White/Brown - Brown 6. White/Orange - Orange 8. White/Brown - Brown

Jacket B:

1. Black prt 1-ONE 2. Black prt 2-TWO

Requirements

Temperature: 60°C

Voltage: 300V

Cable Weight: 668 lbs/Mft

Copper Weight: 139 lbs/Mft

Cat 6 electrical performance up to 295 ft (90m) length.

Approvals:

UL ETT

cUL ETT FT1

Materials are RoHS 3 Compliant
(2011/65/EU & EU 2015/863)

Component B:

Capacitance: 14 pF/ft nominal (C-C)

Impedance: 100 ohms nominal

Written By:	dmg/ba	11/06/2025	Rev. 0	Initial Issue
Revised By:				
Revised By:				
Revised By:				