

GENERAL PRODUCT SPECIFICATION Phone 800-316-8877 Fax 978-368-1275 www.jamesmonroewire.com

Description: Forty Three Conductor Composite Cable,

Overall Cotton Braid,

PVC Jacket

Create Date: 08/21/2020

JM Part No: JMCTCSX43SP

Reference: TCSX43SP

Cable Diagram



mponents	Nom OD
Component A: Four 14 AWG, PVC Insulated Conductors	
Conductor: 14 AWG (2.08 mm²), 41/30 bare copper	
Insulation: .032" nominal wall of PVC (see color code)	.136"
Component B: Twenty Three 18 AWG, PVC Insulated Conductors	
Conductor: 18 AWG (0.824 mm²), 16/30 bare copper	
Insulation: .020" nominal wall of PVC (see color code)	.085"
Component C: Seven 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)	.077"
Pair Twist: 2 conductors cabled together	
Braid Shield: 36 AWG bare copper braid, 85% coverage	
Jacket: .025" nominal wall of PVC (see color code)	.224"
Component D: Two 20 AWG Coax, Overall Tape Shield, Braid Shield, PVC Jacket	
Conductor: 20 AWG (0.519 mm²), 7/.0121 bare copper	
Insulation: .070" nominal wall of Natural Foam Polyethylene	
Tape Shield: HS Aluminum/Mylar tape, Foil Out	
Braid Shield: 34 AWG tinned copper braid, 62% coverage	
Jacket: .0335" nominal wall of pressured Black PVC	.277"
Print: (White Inkjet) JAMES MONROE W&C RU AWM 1435 80C 300V E66440 MMDD-	
XXX-YYYY (Lot Number)	
Component E: One Strength Member, Overall PVC Jacket, Cotton Braid	
Strength Member: 5/32" 7x19 Galvanized Steel	
Jacket: .029" nominal wall of pressured Black PVC	
Braid: Cotton braid	.250"



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Overall Cable Construction

Cabling: Four A, Twenty Three B, Seven C, Two D and One E cabled together with Jute

fillers

Binder: Open Nylon wrap

Braid: Cotton braid

Jacket: .085" nominal wall of pressured Black PVC 1.387"

Print White Inkjet

Component C:

JAMES MONROE W&C TCSX43SP STEEL CORE 4-14 AWG (2.08MM2)+23-18 AWG (.824MM2) +14-20 AWG (.519MM2)+2 RG6/U COAX E82930 (UL) - ETT 60C 300V SHIELDED - LL41103

(CSA) FT1 METAL SUPPORT MEMBER MMDD-XXX-YYYY (Lot Number)

[Sequential Footage Marking]

Color Code

Component A:	Black Printed BLK	3. Green Printed PE
Component A:	I. DIACK PIIIILEU DLN	3. Green Printed PE

2. White Printed WHT 4. Purple Printed SPARE

Component B: 1. Yellow Printed CE3 13. Orange Printed TSF

Yellow Printed REF
 Yellow Printed SLOW
 Yellow Printed C24
 Orange Printed QS

4. Yellow Printed SA2 16. Orange Printed SPARE 1

5. Yellow Printed S226. Yellow Printed PN117. Orange Printed SPARE 218. Orange Printed SPARE 3

7. Yellow Printed PN2 19. Orange Printed SPARE 4

8. Yellow Printed PN3 20. Orange Printed SPARE 5

9. Yellow Printed E24 21. Brown Printed SPARE 6
10. Yellow Printed DR 22. Brown Printed SPARE 7

11. Orange Printed 120 23. Brown Printed SPARE 8

12. Orange Printed N

1. White - Red 5. White - Red 2. White - Red 6. White - Red 3. White - Red 7. White - Red

4. White - Red

Jacket C: 1. Red Printed CN+/CN- 5. Brown Printed CARD READER 3
2. Black Printed TP1/TP2 6. Blue Printed CARD READER 4

3. Yellow Printed CARD READER 1 7. Gray Printed SPARE

4. Orange Printed CARD READER 2

Jacket D: 1. Black Printed 1-ONE 2. Black Printed 2-TWO



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Requirements

Temperature:

60°C

Voltage:

300 V

Cable Weight:
Copper Weight:

994 lbs/Mft 309 lbs/Mft Approvals:

UL ETT

CSA ETT FT1

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

Written By:	ss/ra	08/21/2020	Rev. 0	Initial Issue
Revised By:				
Revised By:				