

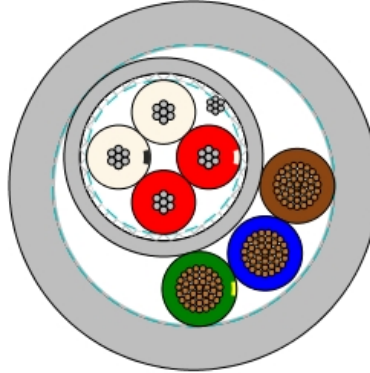
**Description:** Seven Conductor Composite Cable,  
Overall PVC Jacket

**Create Date:** 02/11/2019

**JM Part No:** JM58245

**Reference:** HC7C1000

**Cable Diagram**



**Components**

Nom OD

**Component A:** Four Cond 20 AWG, Overall Shield, PVC Jacket

Conductor: 20 AWG, 7/28 tinned copper

Insulation: .033" nominal wall of Polypropylene (see color code)

.104"

Cabling: 4 conductors cabled together with FRPP filler

Tape Shield: Aluminum/Mylar tape, Foil Out

Drain Wire: 22 AWG, 7/30 tinned copper

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

Jacket: .025" nominal wall of Gray PVC

.325"

**Component B:** Three 14 AWG, PVC Insulated Conductors

Conductor: 14 AWG, 41/30 bare copper

Insulation: .022" nominal wall of PVC (see color code)

.122"

**Overall Cable Construction**

Cabling: One A and Three B cabled together with FRPP fillers

Binder: Fleece tape

Jacket: .070" nominal wall of pressured Matte Gray PVC

.600"

**Print** Black Inkjet

E66440 2/PR 20 AWG + 3/C 14 AWG RU AWM 2463 80C 600V

**Color Code** Opposite conductors are pairs

**Component A:** 1. Red

3. White

2. Red/White

4. White/Black

**Component B:** 1. Brown

3. Green/Yellow

2. Blue

**Description:** Seven Conductor Composite Cable,  
Overall PVC Jacket

**Create Date:** 02/11/2019

**JM Part No:** JM58245

**Reference:** HC7C1000

**Requirements**

Temperature: 80°C  
 Voltage: 600 V  
 Min Bend Radius: 4.5" (7.5x OD)  
 Cable Weight: 194 lbs/Mft  
 Copper Weight: 70 lbs/Mft

Approvals:  
 AWM 2463  
 Materials are RoHS Compliant  
 (2011/65/EU & EU 2015/863)

**Component A:**

Capacitance: 13 pF/ft nominal (pairs)  
 Impedance: 120 ohms nominal

Revised By:	ss	07/25/2019	Rev. 2	Added JM and Reference numbers
Revised By:	ss	07/26/2019	Rev. 3	Revised Color Code for Component B
Revised By:	ss	08/26/2019	Rev. 4	Removed "pressured" from Component A Jacket description
Revised By:	ka/ra	11/19/2019	Rev. 5	Chg from 2PR to Quad, Red. Ins Wall on 14 AWG, to reduce O/A OD from .676 to .600