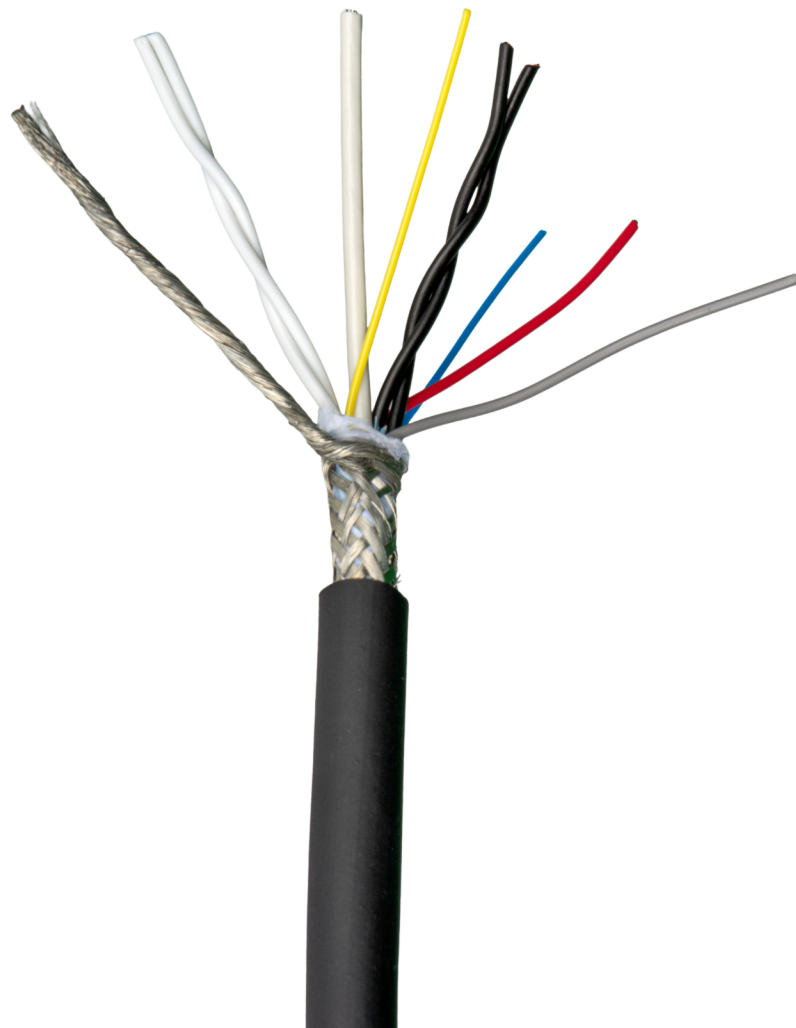


## Complex C96040 Datasheet

The Complex C96040 is a hybrid SMPTE 311M HDTV camera cable designed for broadcast and field production workflows that need both power and Single Mode fiber in one assembly. It is built to support camera-to-CCU connections in professional video systems, while keeping cable runs simpler and more durable on set or in the field.

### Features:

- SMPTE 311M Compliant Broadcast Studio Cable
- Hybrid Construction Combines Copper Conductors and Single Mode Fiber for Camera Power and Optical Transmission
- Rugged build with UV-resistant thermoplastic elastomer jacket, tinned copper braid shield, and Upjacketed stranded steel strength member



Export Information

Country of Origin: USA

US ECCN: EAR99

HTS Code: 8544.42

US Dept. of Commerce CCATS: N.a

A Division of Tower Products Incorporated

Revision #01

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### Specifications:

#### Component 1:

- **Conductor AWG:** 20 AWG
- **Conductor Stranding:** 19/32
- **Conductor Material:** Tinned Copper
- **Insulation Material:** Polyethylene
- **Nom. Diameter:** 0.060in (1.52mm)
- **Colors:** (2) White, (2) Black

#### Component 2:

- **Conductor AWG:** 24 AWG
- **Conductor Stranding:** 7/32
- **Conductor Material:** Tinned Copper
- **Insulation Material:** Polyethylene
- **Nom. Diameter:** 0.045in (1.14mm)
- **Colors:** Gray, Red

#### Component 3:

- **Fiber Type:** OS2 Single Mode
- **Number of Channels:** 2
- **Buffer:** Tight Buffer
- **Material:** Thermoplastic
- **Diameter:** 900 ± 50 micron (.035 ± .002 in.)
- **Colors:** Blue, Yellow

#### Overall Construction:

- **Cable Assembly:** 4 of Component 1, 2 of Component 2, and 2 of Component 3 are cabled together with fillers to make round
- **Strength Element:** Upjacketed Stranded Steel Member
- **Barrier:** Overall Paper Tape (25% Overlap, Nominal)
- **Shield Material/Coverage %:** Tinned Copper Braid 36 AWG, 90% Minimum
- **Jacket Material:** Thermoplastic Elastomer
- **Jacket Thickness:** 0.060in (1.52mm)
- **Jacket Color:** UV-resistant Black
- **Overall Cable Diameter:** 0.362 in. ± 0.012 in (9.19mm ±0.30mm)
- **Crush Resistance:** 377lbs
- **Voltage Rating:** 300V
- **Optical Attenuation @ 1310nm:** <0.8dB/km
- **Component 1 (20 AWG) DCR:** <36Ω/km
- **Component 2 (24 AWG) DCR:** <92Ω/km
- **Max, Cable Pull Strength:** 160lbs
- **Min Bend Radius:** 2.5in (63.5mm)
- **Temperature:**
  - Operation: -40°F to 167°F (-40°C to +75°C)
  - Installation: -4°F to 167°F (-20°C to +75°C)