



Product: [7985LC](#)

Surveillance CCTV, RG-6 #18 BC, 95% BC Braid, CMP

Product Description

Surveillance & CCTV Cable, RG6, Plenum-CMP-FHC 25/50, 18 AWG bare copper foam FEP core, 95% bare copper braid, FEP jacket

Technical Specifications

Product Overview

| | |
|------------------------|---------------------------|
| Suitable Applications: | Surveillance, CCTV Camera |
|------------------------|---------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 18 | Solid | BC - Bare Copper | 0.04 in | 1 |

| | |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

Insulation

| Material | Material Trade Name | Nominal Diameter |
|---|---------------------|------------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | Teflon® | 0.17 in |

Outer Shield

| Type | Material | Coverage [%] |
|-------|------------------|--------------|
| Braid | Bare Copper (BC) | 95% |

Outer Jacket

| Material | Material Trade Name | Nominal Diameter |
|--------------------------------------|---------------------|------------------|
| FEP - Fluorinated Ethylene Propylene | Teflon® | 0.228 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 6.4 Ohm/1000ft | 2.2 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 16.3 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.097 µH/ft |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 75 Ohm |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
|-----------------|---------------------|

| | |
|----------|---------------|
| 1 MHz | 0.24 dB/100ft |
| 3 MHz | 0.45 dB/100ft |
| 5 MHz | 0.55 dB/100ft |
| 8 MHz | 0.7 dB/100ft |
| 10 MHz | 0.85 dB/100ft |
| 50 MHz | 1.5 dB/100ft |
| 100 MHz | 2.1 dB/100ft |
| 200 MHz | 3.1 dB/100ft |
| 400 MHz | 4.7 dB/100ft |
| 700 MHz | 6.8 dB/100ft |
| 900 MHz | 8 dB/100ft |
| 1000 MHz | 8.5 dB/100ft |

Delay

| Max. Delay Skew | Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|-----------------|---------------|--|
| 83 ns/100m | 1.24 ns/ft | 83% |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

Temperature Range

| | |
|------------------------------|-----------------|
| UL Temp Rating: | 200°C |
| Operating Temperature Range: | -40°C To +200°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 41 lbs/1000ft |
| Max. Pull Tension: | 84 lbs |
| Min Bend Radius (Overall Cable): | 1.04 |
| Min. Bend Radius/Minor Axis: | 2.25 in |

Standards

| | |
|-----------------------|-----------------------------------|
| NEC Articles: | Article 800 |
| NEC/(UL) Compliance: | Limited Combustible FHC 25/50 CMP |
| CEC/C(UL) Compliance: | CMP |
| RG Type: | 6 |
| Series Type: | 6 |

Applicable Environmental and Other Programs

| | |
|-----------------------------|-------------------------------|
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|------------------|
| UL Flammability: | UL723 (NFPA 255) |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|----------------|-------|-------------|----------|--------------|
| 7985LC 010500 | Black | Reel | 500 ft | 612825192466 |
| 7985LC 0101000 | Black | Reel | 1,000 ft | 612825192459 |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

Product Notes

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| Notes: | Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. |
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History

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| Update and Revision: | Revision Number: 0.374 Revision Date: 04-29-2024 |
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