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Part Number: 7986LC

Surveillance CCTV, RG-59 #20 BC, 95% BC Braid, CMP-FHC 25/50



Product Description

Surveillance & CCTV Cable, RG59, Plenum-CMP-FHC 25/50, 20 AWG bare copper foam FEP core, 95% bare copper braid, FEP jacket

Technical Specifications

Product Overview

| | |
|------------------------|------|
| Suitable Applications: | CCTV |
|------------------------|------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 20 | Solid | BC - Bare Copper | 0.032 in | 1 |

| | |
|------------------|--------|
| Conductor Count: | 1 |
| Conductor Size: | 20 AWG |

Insulation

| Material | Material Trade Name | Nominal Diameter |
|--|---------------------|------------------|
| FFEP - Foam Fluorinated Ethylene Propylene | Teflon® | 0.135 in |

Outer Shield Material

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

Outer Jacket Material

| Material | Material Trade Name | Nominal Diameter |
|--------------------------------------|---------------------|------------------|
| FEP - Fluorinated Ethylene Propylene | Teflon® | 0.193 in |

Construction and Dimensions

| | |
|---------------|--|
| Print Legend: | NEW GENERATION(R) BY BELDEN 7986LC RG-59 TYPE 1C20 200C E108998 (UL) LIMITED COMBUSTIBLE FHC 25/50 CMP OR C(UL) CMP (2 FT. 7 DIGIT SEQUENTIAL NUMBER) FEET |
|---------------|--|

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR |
|-----------------------|--|--------------------------|
| 10 Ohm/1000ft | 10 Ohm/1000ft | 2.5 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 16.1 pF/ft |

| | |
|------------|----------|
| Shielding: | Braid(s) |
|------------|----------|

Inductance

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

Impedance

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

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz | 0.29 dB/100ft |
| 3 MHz | 0.58 dB/100ft |
| 5 MHz | 0.7 dB/100ft |
| 8 MHz | 0.87 dB/100ft |
| 10 MHz | 1.05 dB/100ft |
| 50 MHz | 1.8 dB/100ft |
| 100 MHz | 2.7 dB/100ft |
| 200 MHz | 3.9 dB/100ft |
| 400 MHz | 5.9 dB/100ft |
| 700 MHz | 8.5 dB/100ft |
| 900 MHz | 10 dB/100ft |
| 1000 MHz | 10.7 dB/100ft |

Delay

| Max. Delay Skew | Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|-----------------|---------------|--|
| 84 ns/100m | 1.21 ns/ft | 84 % |

High Freq

| Frequency [MHz] |
|-----------------|
| 1 MHz |
| 3 MHz |
| 5 MHz |
| 8 MHz |
| 10 MHz |
| 50 MHz |
| 100 MHz |
| 200 MHz |
| 400 MHz |
| 700 MHz |
| 900 MHz |
| 1000 MHz |

Voltage

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

Temperature Range

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

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 31 lbs/1000ft |
| Max Recommended Pulling Tension: | 52 lbs |
| Min Bend Radius (Overall Cable): | 1.04 |
| Min Bend Radius/Minor Axis: | 1.75 in |

Standards

| | |
|-------------------------|-----------------------------------|
| NEC/(UL) Specification: | Limited Combustible FHC 25/50 CMP |
| RG Type: | 59/U Type |
| Series Type: | Series 59 |
| RG / Series Type: | Series 59 |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|------------|
| EU Directive Compliance: | Yes |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| CA Prop 65 (CJ for Wire & Cable): | 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 |
|---------------|-----|

Part Number

Variants

| Item # | Color | Footnote |
|----------------|-------|----------|
| 7986LC 0101000 | Black | C |
| 7986LC 010500 | Black | C |

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

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