



Product: [2233RW](#)

Indoor/Outdoor Stadium Cable, RG-11/U Triax, 14 AWG solid, CMR

Product Description

RG-11/U Triax, 14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper double shields (95% and 80% coverage), PVC insulation between braids, water blocking tape, CPE jacket, CMR rated

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 14 | Solid | BC - Bare Copper | 0.064 in | 1 |

Insulation

| Material | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.285 in |

| | |
|--------------|--------------|
| Table Notes: | Gas Injected |
|--------------|--------------|

Inner Shield Material

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

Inner Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.365 in |

Outer Shield Material

| Type | Material | Coverage [%] |
|-------|------------------|--------------|
| Braid | Bare Copper (BC) | 80% |

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------------|------------------|
| CPE - Chlorinated Polyethylene | 0.475 in |

Electrical Characteristics

| Conductor DCR | | |
|--------------------------------------|--------------------------|--------------------------|
| Nominal Conductor DCR | Nominal Inner Shield DCR | Nominal Outer Shield DCR |
| 2.6 Ohm/1000ft | 1.7 Ohm/1000ft | 1.5 Ohm/1000ft |
| Capacitance | | |
| Nom. Capacitance Conductor to Shield | | |
| 16.1 pF/ft | | |
| Inductance | | |
| Nominal Inductance | | |
| 0.097 µH/ft | | |
| Impedance | | |

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

Return Loss (RL)

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 5 - 850 MHz | 21 dB |
| 850 - 4500 MHz | 15 dB |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1.0 MHz | 0.14 dB/100ft |
| 3.6 MHz | 0.3 dB/100ft |
| 10 MHz | 0.4 dB/100ft |
| 71.5 MHz | 1.1 dB/100ft |
| 135 MHz | 1.6 dB/100ft |
| 270 MHz | 2.3 dB/100ft |
| 360 MHz | 2.6 dB/100ft |
| 540 MHz | 3.3 dB/100ft |
| 720 MHz | 3.8 dB/100ft |
| 750 MHz | 4.0 dB/100ft |
| 1000 MHz | 4.6 dB/100ft |
| 1500 MHz | 5.9 dB/100ft |
| 2250 MHz | 7.4 dB/100ft |
| 3000 MHz | 9 dB/100ft |
| 4500 MHz | 12.5 dB/100ft |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|--|
| 1.21 ns/ft | 84% |

Voltage

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

Temperature Range

| | |
|-----------------------|----------------|
| Non-UL Temp Rating: | 75°C |
| UL Temp Rating: | 75°C |
| Operating Temp Range: | -30°C To +75°C |

Mechanical Characteristics

| | |
|-----------------------------|------------------|
| UV Resistance: | Yes - Black only |
| Bulk Cable Weight: | 125 lbs/1000ft |
| Max. Pull Tension: | 170 lbs |
| Min Bend Radius/Minor Axis: | 5 in |

Standards

| | |
|----------------------|-----------|
| NEC/(UL) Compliance: | CMR |
| RG Type: | 11/U Type |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| Environmental Space: | Indoor/Outdoor |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2016-08-16 |

Suitability

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|------------------------------------|--|
| Suitability - Aerial: | Yes - Black only, when supported by messenger wire |
| Suitability - Burial: | No |
| Suitability - Hazardous Locations: | No |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes - Black only |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-----------------------|
| UL Flammability: | UL1666 Vertical Shaft |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|-------|------------|----------|--------------|
| 2233RW 0101000 | Black | Reel | 1,000 ft | 612825384670 |
| 2233RW 0104000 | Black | Reel | 4,000 ft | 612825384687 |

| | |
|-----------|--|
| Footnote: | C - CRATE REEL PUT-UP. |
| Footnote: | Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN. |

Product Notes

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|--------|---|
| Notes: | Water blocking tape between outer jacket and outer braid. Print legend includes sequential footage marks. |
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History

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| Update and Revision: | Revision Number: 0.154 Revision Date: 09-30-2020 |
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