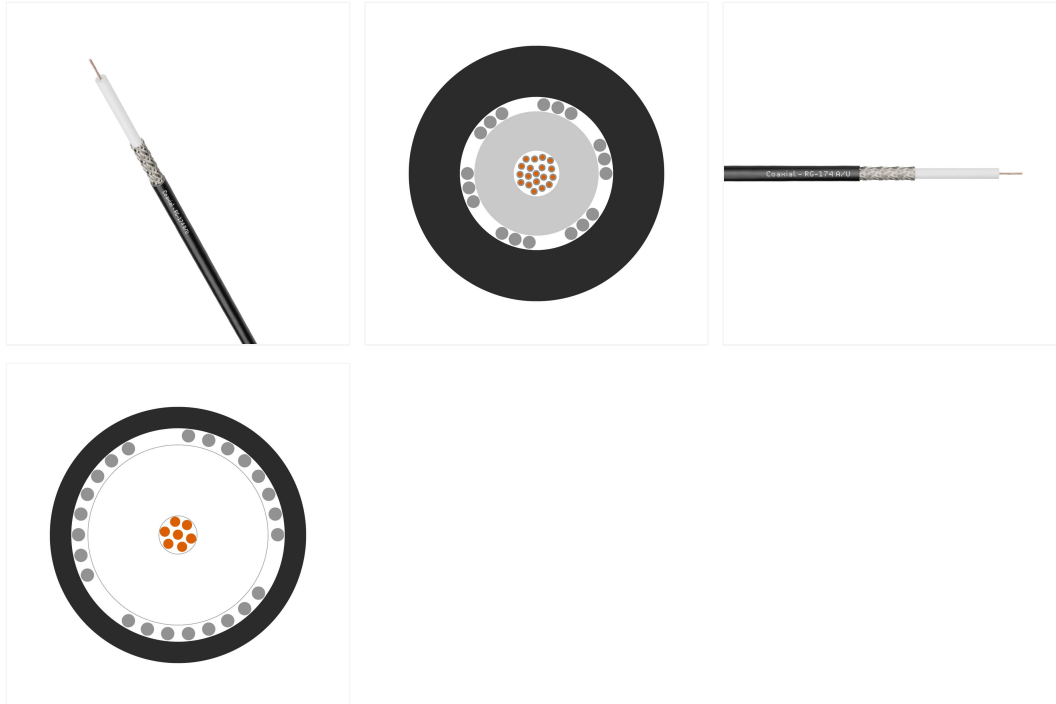


Coaxial - RG-174 A/U**Article No.:** 2170001

Coaxial cables; RG 174 A/U; Nominal characteristic impedance: 50; PVC; 0.019 in; Fixed Installation; -40 °C to 80 °C; black

**CE****Details****Benefits**

- For distortion-free, low-attenuation, high-frequency signal transmission.
- Special cable design ensures particular resistance to external interference.
- Characteristic impedance and attenuation depending on the respective cable design.
- Wide range of variants available.

Application

- For radio and computer systems, as well as all applications related to high frequency technology and electronics
- For signal transmission over short distances.

- For fixed installation and occasional flexing.
- Can be used in dry and damp environments.
- For high thermal and chemical loads.
- Suitable for outdoor use, subject to the temperature range.

Notes

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Remarks

Technical Data

General information

| | |
|------------------|---|
| Brand | UNITRONIC® |
| Product type | Coaxial cables |
| Copper index | 36.3 lb/10000 ft |
| Industry segment | Construction Machinery Heating, Ventilation, Air Conditioning & Refrigeration Ships & boats |

Electrical parameters

| | |
|--|--------|
| Nominal characteristic impedance | 50 Ω |
| Nominal characteristic impedance tolerance | +/- 2Ω |

Product design

| | |
|--|----------------------|
| Type of coaxial cables | RG 174 A/U |
| Cable dimension | 0.14 |
| Nominal cross section conductor (mm ²) | 0.14 mm ² |
| Nominal diameter conductor (mm) | 0.019 in |

| | |
|--|----------------------------|
| Leading conductor cross-section | mm ² |
| Wire count | 7 |
| Including protective ground | No |
| concentric conductor | Yes |
| Shielded | Yes |
| With rodent protection | No |
| Nominal conductor diameter | 0.06 in |
| Nominal outer diameter | 0.11 in |
| Cable form | Round |
| inner conductor material | Steel-copper Composite |
| Dielectric | Polyethylene |
| Dielectric, short form | PE |
| outer conductor | Tin-plated copper braiding |
| Basic material of outer jacket | Polyvinylchloride |
| Base material of outer sheath, shortname | PVC |
| Outer jacket color | black |

Product features

| | |
|--|--|
| Application area | Fixed Installation |
| For permanent bending | No |
| Windable | No |
| Minimum bending radius, stationary | 6 x outer diameter |
| Minimum bending radius in inch, fixed installation | 0.661 in |
| Minimum bending radius, occasionally moved | 10 x outer diameter |
| Minimum bending radius in mm, occasionally moved | 1.102 in |
| Temperature, fixed installation | -40 °C to 80 °C max. conductor temperature |
| Flame-retardant | Yes |
| Flame retardance according to | IEC 60332-1-2 |
| UV-resistant | No |
| Halogenfree | No |

| | |
|-------------------------|----|
| Oil resistant | No |
| Fast Connect (FC) cable | No |

Certifications and standards

| | |
|---|--|
| CE marking | Yes |
| EAC certified | Yes |
| EAC certification number | EAЭC N RU Д-DE.АЮ64.В.00130/20, EAЭC N RU Д-DE.РА01.В.47116/21 |
| VDE certified | No |
| Resistance to flame propagation tested according to UN/ECE-R118 | Yes |

Coaxial RG

| Article No. | Name | Type of coaxial cables | Application area | inner conductor material | Nominal diameter conductor (mm) | outer conductor | Outer conductor second layer | Base material of outer sheath, shortname | Temperature, fixed installation | Copper index |
|-------------|------------------------------|------------------------|--------------------|--------------------------------------|---------------------------------|--|--|--|---|---------------------|
| 2170000 | Coaxial - RG 58 C /U | RG 58 C/U | Fixed Installation | Tin-plated Copper | 0.035 in | Tin-plated copper braiding | | PVC | -40 °C to 80 °C max. conductor temperature | 128.3 lb /10000 ft |
| 2170001 | Coaxial - RG-174 A/U | RG 174 A/U | Fixed Installation | Steel-copper Composite | 0.019 in | Tin-plated copper braiding | | PVC | -40 °C to 80 °C max. conductor temperature | 36.3 lb /10000 ft |
| 2170002 | Coaxial - RG-178 B/U | RG 178 B/U | Fixed Installation | Silver-plated Steel-copper Composite | 0.012 in | Silver-plated copper braided shielding | | FEP | -55 °C to 250 °C max. conductor temperature | 29.57 lb /10000 ft |
| 2170003 | Coaxial - RG-188 A/U | RG 188 A/U | Fixed Installation | Silver-plated Steel-copper Composite | 0.02 in | Silver-plated copper braided shielding | | PTFE | -55 °C to 250 °C max. conductor temperature | 55.77 lb /10000 ft |
| 2170005 | Coaxial - RG-213 /U | RG 213 /U | Fixed Installation | Bare Copper | 0.089 in | Copper braiding | | PVC | -40 °C to 80 °C max. conductor temperature | 509.3 lb /10000 ft |
| 2170006 | Coaxial - RG-214 /U | RG 214 /U | Fixed Installation | Silver-plated Copper | 0.091 in | Silver-plated copper braided shielding | Silver-plated copper braided shielding | PVC | -40 °C to 80 °C max. conductor temperature | 791.58 lb /10000 ft |
| 2170007 | Coaxial - RG-223 /U | RG 223 /U | Fixed Installation | Silver-plated Copper | 0.035 in | Silver-plated copper braided shielding | Silver-plated copper braided shielding | PVC | -40 °C to 80 °C max. conductor temperature | 258.7 lb /10000 ft |
| 2170008 | Coaxial - RG-62 A /U | RG 62 A/U | Fixed Installation | Copper-plated Steel | 0.025 in | Copper braiding | | PVC | -40 °C to 80 °C max. conductor temperature | 174.7 lb /10000 ft |
| 2170009 | Coaxial - RG-11 A /U | RG 11 A/U | Fixed Installation | Tin-plated Copper | 0.047 in | Copper braiding | | PVC | -40 °C to 80 °C max. conductor temperature | 372.94 lb /10000 ft |
| 2170010 | Coaxial - RG-187 A/U | RG 187 A/U | Fixed Installation | Silver-plated Copper | 0.012 in | Silver-plated copper braided shielding | | PTFE | -55 °C to 250 °C max. conductor temperature | 49 lb /10000 ft |
| 2170011 | Coaxial - RG-11 A /U OUTDOOR | RG 11 A/U | Fixed Installation | Tin-plated Copper | 0.047 in | Copper braiding | | PVC | -40 °C to 80 °C max. conductor temperature | 372.94 lb /10000 ft |
| 2170012 | Coaxial - RG-59 B /U | RG 59 B/U | Fixed Installation | Copper-plated Steel | 0.023 in | Copper braiding | | PVC | -40 °C to 80 °C max. conductor temperature | 168 lb /10000 ft |
| 2170016 | Coaxial - RG-6 A /U | RG 6 A/U | Fixed Installation | Copper-plated Steel | 0.028 in | Copper braiding | | PVC | -40 °C to 80 °C max. conductor temperature | 483.8 lb /10000 ft |

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