

82240 Coax - RG-58A/U Type

For more Information
please call

1-800-Belden1

**General Description:**

RG-58A/U type, 20 AWG solid .032" bare copper conductor, plenum, FEP teflon insulation, tinned copper braid shield (95% coverage), Flamarrest® jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1 | 20 | Solid | BC - Bare Copper | .032 |

Total Number of Conductors: 1

Insulation**Insulation Material:**

| Insulation Trade Name | Insulation Material | Dia. (in.) |
|-----------------------|--------------------------------------|------------|
| Teflon® | FEP - Fluorinated Ethylene Propylene | .107 |

Outer Shield**Outer Shield Material:**

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper | 95 |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Trade Name | Outer Jacket Material |
|-------------------------|---------------------------------------|
| Flamarrest® | LS PVC - Low Smoke Polyvinyl Chloride |

Overall Cable

Overall Nominal Diameter: 0.159 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 24 lbs/1000 ft.

Max. Recommended Pulling Tension: 47 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 10/01/2005

| | |
|-----------------------------------|------|
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| RG Type: | 58/U |

Flame Test

| | |
|-----------------|----------|
| UL Flame Test: | NFPA 262 |
| CSA Flame Test: | FT6 |

Plenum/Non-Plenum

| | |
|--------------------|------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 8240 |

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

| Impedance (Ohm) |
|-----------------|
| 53 |

Nom. Inductance:

| Inductance (μH/ft) |
|--------------------|
| 0.070 |

Nom. Capacitance Conductor to Shield:

| Capacitance (pF/ft) |
|---------------------|
| 26.4 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 69.5 |

Nominal Delay:

| Delay (ns/ft) |
|---------------|
| 1.48 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 10.2 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 6.7 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | 0.5 |
| 10 | 1.2 |
| 50 | 3.0 |
| 100 | 4.3 |
| 200 | 6.4 |
| 400 | 9.7 |
| 700 | 13.7 |
| 900 | 16.1 |
| 1000 | 17.3 |

Nom. Power Rating:

| Freq. (MHz) | Rating (W) |
|-------------|------------|
| 1 | 4798.7 |
| 10 | 1937.2 |
| 50 | 782.4 |
| 100 | 542.2 |
| 200 | 370.3 |

| | |
|------|-------|
| 400 | 248.5 |
| 700 | 177.7 |
| 900 | 153.0 |
| 1000 | 143.2 |

Max. Operating Voltage - UL:

| Voltage |
|-----------|
| 300 V RMS |

Max. Operating Voltage - Non-UL:

| Voltage |
|------------|
| 1400 V RMS |

Notes (Overall)

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

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|---------|-------|------------------------|
| 82240 877U1000 | 1,000 FT | 26.000 LB | NATURAL | | #20 FEP RG58/U FLMRST |
| 82240 877U500 | 500 FT | 13.500 LB | NATURAL | | #20 FEP RG58/U FLMRST |
| 82240 8771000 | 1,000 FT | 26.000 LB | NATURAL | C | #20 FEP RG-58/U FLMRST |

Notes:

C = CRATE REEL PUT-UP.

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