



Low Loss Flexible RG8X Type Coax Cable  
Double Shielded with Black PE Jacket

**RF Cables**  
**Technical Data Sheet**

**PE-C240-BULK**

**Configuration**

- Low Loss Flexible Cable
- 2 Shield(s)

**Electrical Specifications**

| Description             | Minimum | Typical     | Maximum | Units        |
|-------------------------|---------|-------------|---------|--------------|
| Frequency Range         | DC      |             | 6       | GHz          |
| Impedance               |         | 50          |         | Ohms         |
| Velocity of Propagation |         | 84          |         | %            |
| Shielding Effectiveness | 90      |             |         | dB           |
| Jacket Spark            |         |             | 5,000   | Vrms         |
| Nominal Capacitance     |         | 24.2 [79.4] |         | pF/ft [pF/m] |
| Input Power (Peak)      |         |             | 5.6     | kWatts       |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket PE-C240-BULK](#)



## Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket

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#### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4    | F5    | Units    |
|-----------------------|-------|-------|-------|-------|-------|----------|
| Frequency             | 0.15  | 0.22  | 0.45  | 0.9   | 1.5   | GHz      |
| Attenuation, Max      | 3.4   | 4.18  | 5.95  | 8.58  | 11.18 | dB/100ft |
|                       | 11.15 | 13.71 | 19.52 | 28.15 | 36.68 | dB/100m  |
| Attenuation, Typ      | 3     | 3.7   | 5.3   | 7.6   | 9.9   | dB/100ft |
|                       | 9.84  | 12.14 | 17.39 | 24.93 | 32.48 | dB/100m  |
| Input Power (CW), Max | 660   | 540   | 380   | 260   | 200   | Watts    |

| Description           | F6    | F7    | F8    | F9    | F10 | Units    |
|-----------------------|-------|-------|-------|-------|-----|----------|
| Frequency             | 1.8   | 2     | 2.5   | 6     |     | GHz      |
| Attenuation, Max      | 12.3  | 13    | 14.55 | 23    |     | dB/100ft |
|                       | 40.35 | 42.65 | 47.74 | 75.46 |     | dB/100m  |
| Attenuation, Typ      | 10.9  | 11.5  | 12.9  | 20.4  |     | dB/100ft |
|                       | 35.76 | 37.73 | 42.32 | 66.93 |     | dB/100m  |
| Input Power (CW), Max | 180   | 170   | 150   | 100   |     | Watts    |

#### Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.24 in [6.1 mm]         |
| Weight                          | 0.031 lbs/ft [0.05 kg/m] |
| Min. Bend Radius (Installation) | 0.75 in [19.05 mm]       |
| Min. Bend Radius (Repeated)     | 2.5 in [63.5 mm]         |

#### Construction Specifications

| Description     | Material and Plating | Diameter           |
|-----------------|----------------------|--------------------|
| Inner Conductor | Copper, 1 Strand     | 0.056 in [1.42 mm] |
| Conductor Type  | Solid                |                    |
| Dielectric      | PE (F)               | 0.15 in [3.81 mm]  |
| First Shield    | Aluminum Tape        | [ ]                |

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|               |                     |                    |
|---------------|---------------------|--------------------|
| Second Shield | Tinned Copper Braid | 0.178 in [4.52 mm] |
| Jacket        | PE, Black           | 0.24 in [6.1 mm]   |

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +85 deg C

Installation Range

-70 to +85 deg C

Storage Range

-40 to +85 deg C

#### Compliance Certifications (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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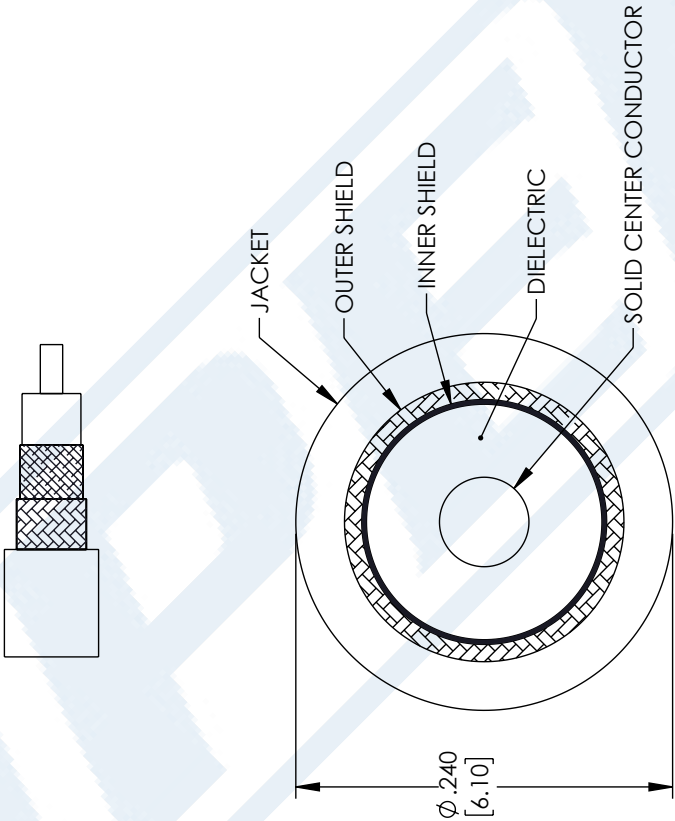
URL: <https://www.pasternack.com/flexible-0.240-50-ohm-coax-cable-pe-jacket-pe-c240-bulk-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE-C240-BULK CAD Drawing

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 03/04/2022 | AGANWANI |



|                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                  |  |                                                                              |  |                                                                                                                       |  |              |  |           |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------|--|--------------|--|-----------|--|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS                                                                                                                                                                                                                                                                                                                               |  | TOLERANCES:                                                                                                                                                                                      |  | X = ± .2 [ .008]<br>.XX = ± .02 [ .51]<br>XXX = ± .005 [ .13]<br>ANGLES ± 1° |  | FRACTIONS<br>± 1/32                                                                                                   |  |              |  |           |  |
| CABLE LENGTH (L) TOLERANCES:                                                                                                                                                                                                                                                                                                                                                                                                   |  | L ≤ 12 [305] = +1 [25] / -0<br>12 [305] < L ≤ 60 [1524] = +2 [51] / -0<br>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0<br>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0<br>300 [7620] < L = +5% / -0 |  | ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY.                              |  |                                                                                                                       |  |              |  |           |  |
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| SIZE A                                                                                                                                                                                                                                                                                                                                                                                                                         |  | CAGE CODE 53919                                                                                                                                                                                  |  | DRAWN BY DZINN                                                               |  | ITEM NO. PE-C240-BULK                                                                                                 |  | REV A        |  |           |  |

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