

## 020 Semi-rigid Coax Cable with Copper

### TECHNICAL DATA SHEET

PE-020SR

#### 020 Semi-rigid Coax Cable with Copper

##### Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

##### Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	27
Maximum Operating Voltage, Volts	750

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	85 [278.87]
Power Handling, Watts	2.9

###### Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	280 [918.64]
Power Handling, Watts	0.9

###### Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	380 [1,246.72]
Power Handling, Watts	0.6

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-55 to +85
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###### Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.004 [0.1]

###### Dielectric:

Type	PTFE
Diameter, in [mm]	0.015 [0.38]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [020 Semi-rigid Coax Cable with Copper PE-020SR](#)

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.

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**Shield:**

Number of	1
Material 1	Copper
Diameter, in [mm]	0.02 [0.51]

**Jacket:**

Color	Tan
Weight, lbs/ft [Kg/m]	0.04 [0.06]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)  
RoHS Compliant Yes

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

020 Semi-rigid Coax Cable with Copper from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [020 Semi-rigid Coax Cable with Copper PE-020SR](#)

URL: <http://www.pasternack.com/semirigid-0.020-50-ohm-coax-cable-copper-pe-020sr-p.aspx>

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**PASTERNAK ENTERPRISES PE-020SR**



IMPEDANCE: 50 OHMS  
 INNER CONDUCTOR DIAMETER: .0044"  
 INNER CONDUCTOR MATERIAL: SILVER COVERED COPPER CLAD STEEL  
 DIELECTRIC DIAMETER: .015"  
 DIELECTRIC MATERIAL: SOLID POLYTETRAFLUOROETHYLENE  
 OUTER DIAMETER: .020"  
 OUTER SHIELD: BARE COPPER  
 NOMINAL CAPACITANCE (p/ft): 29.0  
 OPERATING TEMPERATURE: -55° TO +85° C  
 MAX OPERATING VOLTAGE (VOLTS RMS): 750

NOMINAL ATTENUATION ( PER 100 FEET )

100 MHz	30.00 dB
1 GHz	85.00 dB
5 GHz	175.00 dB
10 GHz	280.00 dB

MAXIMUM POWER HANDLING ( AVERAGE POWER IN WATTS )

500 MHz	3.5
1 GHz	2.9
5 GHz	1.1
10 GHz	0.9



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**COAXIAL & FIBER OPTICS**

DWG TITLE

**PE-020SR**

NOTES:  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].

REV. B

FSCM NO. 53919

CAD FILE 080712

SCALE N/A

SIZE A

2233