



SMB Plug Connector Crimp/Solder Attachment for RG58,  
 RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet

PE4523

### Configuration

- SMB Plug Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry

- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

### Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1

- Gold Plated Beryllium Copper Contact
- 30  $\mu$ in minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4523 SMB plug connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Our SMB plug connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Our SMB plug connector PE4523 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.3:1	
Operating Voltage (AC)			335	Vrms

### Mechanical Specifications

#### Size

- Length
- Width/Dia.
- Weight

- 1.05 in [26.67 mm]
- 0.256 in [6.50 mm]
- 0.015 lbs [6.8 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4523](#)



SMB Plug Connector Crimp/Solder Attachment for RG58,  
 RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet

PE4523

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 deg C

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

### Plotted and Other Data

Notes:

SMB Plug Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

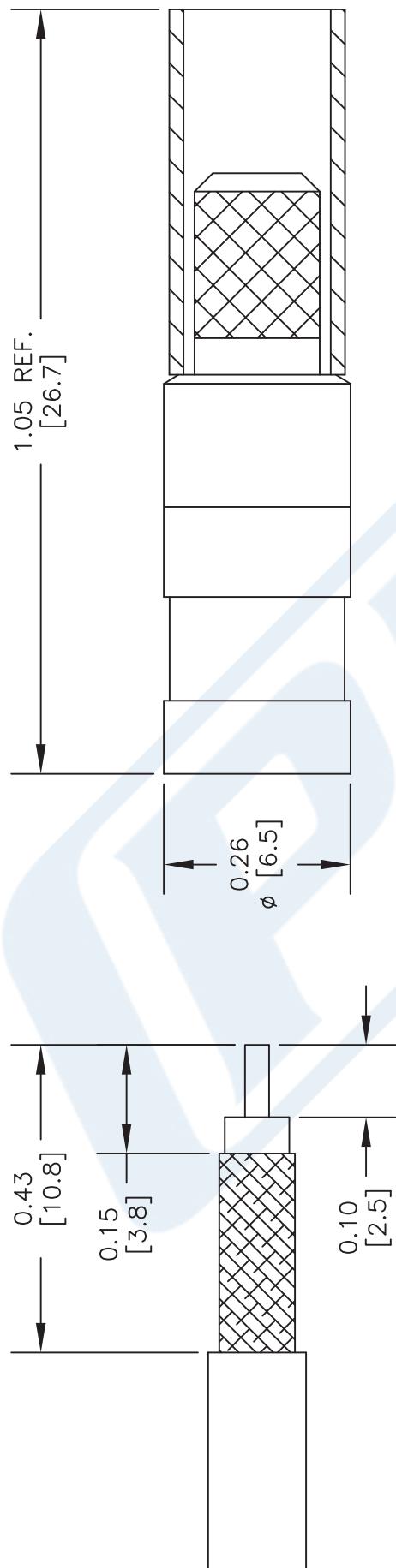
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URL: <https://www.pasternack.com/smb-plug-standard-rg58-connector-pe4523-p.aspx>

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.

# PE4523 CAD Drawing

SMB Plug Connector Crimp/Solder Attachment for RG58, RG303,  
RG141, PE-C195, PE-P195, LMR-195, 0.195 inch



## STRIPPING DIMENSIONS

## CRIMP SIZE REQUIRED

CONTACT: SOLDER  
FERRULE: .213" HEX CRIMP TOOL

**PE** **PASTERNACK**®

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**PE4523**

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].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. A	FSCM NO.	53919	CAD FILE	020812	SCALE N/A	SIZE A	2233
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## SMA Female Connector Crimp/Solder Attachment for RG58

### RF Connectors Technical Data Sheet

**PE4413**

#### Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry
- RG58 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.28:1
- Gold Plated Beryllium Copper Contact
- 50 $\mu$  in. minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4413 SMA female connector with crimp/solder attachment for RG58 is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.28:1.

Our SMA female connector PE4413 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.28:1	
Operating Voltage (AC)			500	Vrms

#### Mechanical Specifications

Size	
Length	0.893 in [22.68 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.008 lbs [3.63 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Crimp/Solder Attachment for RG58 PE4413](#)



## SMA Female Connector Crimp/Solder Attachment for RG58

### RF Connectors Technical Data Sheet

**PE4413**

#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 $\mu$ in. minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ in. minimum

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Crimp/Solder Attachment for RG58 PE4413](#)

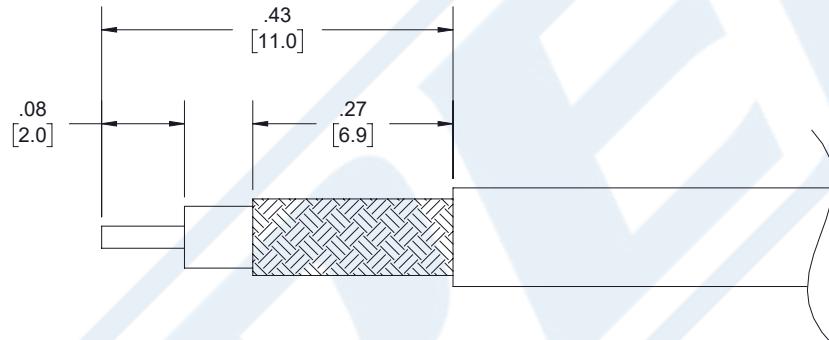


## SMA Female Connector Crimp/Solder Attachment for RG58

### RF Connectors Technical Data Sheet

PE4413

#### Assembly Instruction



#### ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND SOLDER, REMOVE ANY EXCESS SOLDER.
3. FLARE BRAID AND INSERT CONTACT INTO THE BODY UNTIL IT SEATS.
4. SLIDE FERRULE OVER BRAID AND CRIMP WITH CRIMP TOOL.

#### CRIMP SIZE REQUIRED

- CONTACT: SOLDER.
- FERRULE: .213" HEX CRIMP TOOL.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Crimp/Solder Attachment for RG58 PE4413](#)



## SMA Female Connector Crimp/Solder Attachment for RG58

### RF Connectors Technical Data Sheet

PE4413

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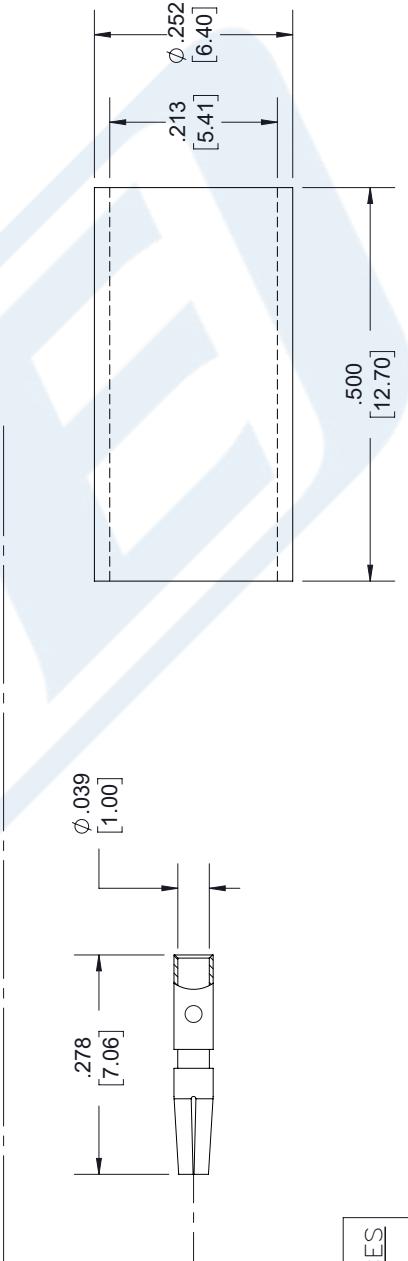
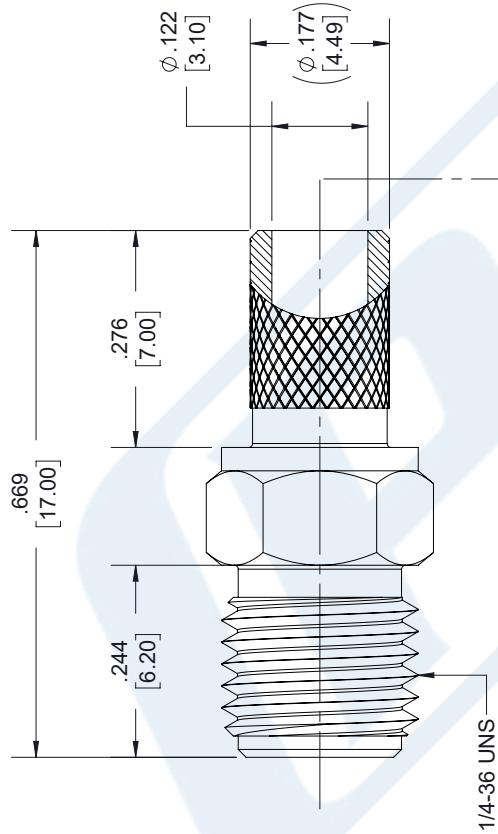
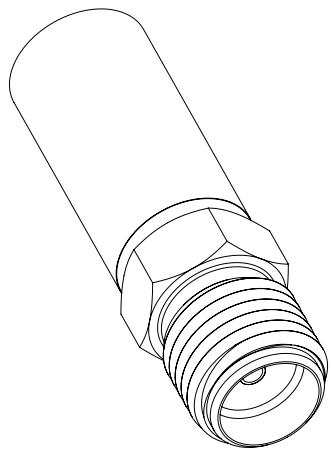
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# PE4413 CAD Drawing

SMA Female Connector Crimp/Solder Attachment for RG58



<u>STANDARD TOLERANCES</u>	
.X	±0.2
.XX	±0.01
.XXX	±0.005

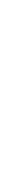
\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

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THE ENGINEER'S RESOURCE

Pasternack Enterprises, Inc.  
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THE ENGINEERING SOURCE

**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
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	Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasterнак.com">www.pasterнак.com</a>   E-Mail: <a href="mailto:sales@pasterнак.com">sales@pasterнак.com</a>	CAGE CODE	53919

## Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket

### RF Cables Technical Data Sheet

PE-C195

#### Configuration

- Low Loss Flexible Cable
- 2 Shield(s)

#### Features

- Low Loss
- Double Shielded
- PE Jacket
- Velocity of Propagation 80%
- Shielding Effectiveness > 90 dB

#### Applications

- Antenna Feeds
- Communication Systems
- Wireless Systems
- Indoor / Outdoor Uses
- Direct Burial
- Jumper Cable Assemblies

#### Description

Flexible coaxial cable are ideal for applications where tight bends and continual flexure are required. Pasternack's PE-C195 is a low loss flexible RG58 type coax cable with PE jacket. The double shielding of this low loss cable provides better electrical performance than the standard RG-58 cable including excellent shielding effectiveness of better than 90 dB. This Pasternack cable's PE jacket makes it suitable for indoor/outdoor uses and direct burial applications. PE-C195 RG58 type datasheet specifications and outline drawing for this flexible cable are shown in the PDF below.

Pasternack carries a wide range of cables ready to ship same day to fit your needs. They are available in corrugated, flexible, formable or semi-rigid versions with different constructions of conductor materials, dielectric materials, shielding configurations and jacket materials. Our cables are designed to fit a wide range of performance criteria including attenuation, operating temperature, environmental factor, and power capability.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Cutoff Frequency		41		GHz
Impedance		50		Ohms
Velocity of Propagation		80		%
Shielding Effectiveness	90			dB
Jacket Spark			5,000	Vrms
Nominal Capacitance		25.4 [83.33]		pF/ft [pF/m]
Input Power (Peak)			2.5	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 RG58 Type Coax Cable Double Shielded with Black PE Jacket PE-C195](#)

## Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket

### RF Cables Technical Data Sheet

PE-C195

#### 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	4.4	5.4	7.8	11.1	14.5	dB/100ft
	14.44	17.72	25.59	36.42	47.57	dB/100m
Attenuation, Typ	4.3	5.2	7.5	10.7	13.4	dB/100ft
	14.11	17.06	24.61	35.1	43.96	dB/100m
Input Power (CW), Max	350	290	200	140	110	Watts
Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8		GHz
Attenuation, Max	16	16.9	19	29.9		dB/100ft
	52.49	55.45	62.34	98.1		dB/100m
Attenuation, Typ	15.3	16.1	18.1	28.2		dB/100ft
	50.2	52.82	59.38	92.52		dB/100m
Input Power (CW), Max	100	90	80	50		Watts

#### Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.021 lbs/ft [0.03 Kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	2 in [50.8 mm]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.11 in [2.79 mm]
First Shield	Aluminum Tape	

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 RG58 Type Coax Cable Double Shielded with Black PE Jacket PE-C195](#)

## Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket

### RF Cables Technical Data Sheet

PE-C195

Second Shield	Tinned Copper Braid	0.139 in [3.53 mm]
Jacket	PE, Black	0.195 in [4.95 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 RG58 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.

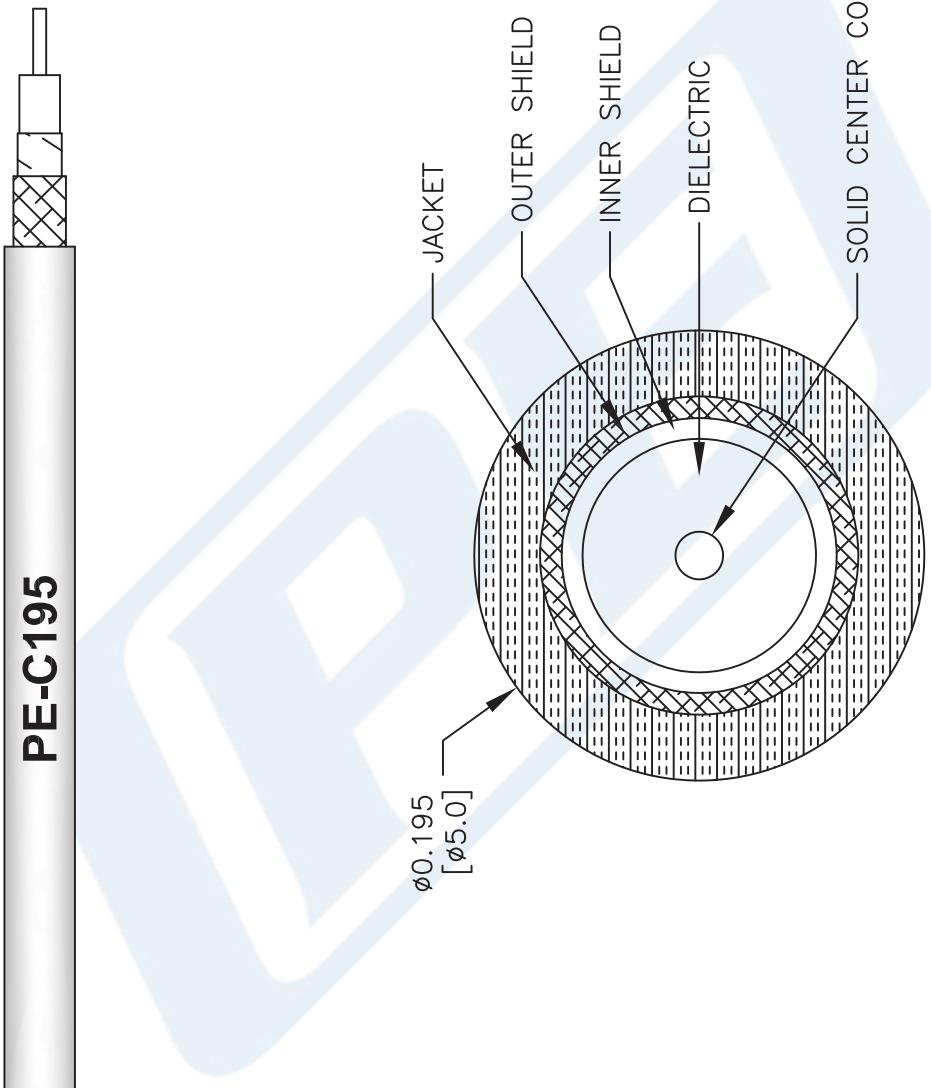
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket PE-C195](#)

URL: <https://www.pasternack.com/flexible-0.195-50-ohm-coax-cable-pe-jacket-pe-c195-p.aspx>

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# PE-C195 CAD Drawing

Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket



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DWG TITLE	PE-C195
FSCM NO.	53919

CAD FILE	111716	SCALE	N/A	SIZE	A
					41742

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