

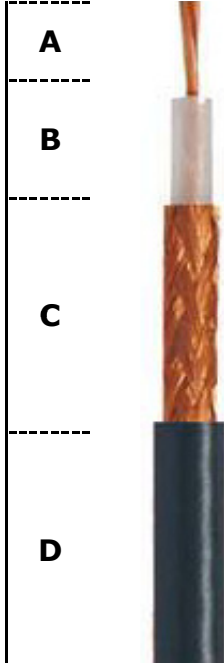
# MIL-C-17F 50 Ohm RF Coaxial Cables

## RG 8 AU (P.Num: 122617)



### Technical Data

<u>MECHANICAL DATA</u>		<u>DIMENSIONS</u>	
<b>A</b>	Plain copper inner conductor	<b>CU</b>	<b>7 x 0,72 mm</b>
<b>B</b>	Low density polyethylene dielectric	<b>PE</b>	<b>∅ 7,25 ± 0,18 mm</b>
<b>C</b>	Plain copper outer conductor Percentage coverage	<b>CU</b>	<b>192 x 0,20 mm 98%</b>
<b>D</b>	Non-contaminating polyvinyl-chloride sheath Sheath's colour : <b>BLACK</b>	<b>PVC2</b>	<b>∅ 10,4 ± 0,18 mm</b>



-Cable weight: **171,5Kg/Km**  
 -Copper weight: **84,3Kg/Km**

<u>ELECTRICAL PERFORMANCE</u>		<u>ATTENUATION dB/100 m</u>	
-Impedance:	<b>52 ± 3 Ohm</b>	50 MHz	4,4
-Capacitance:	<b>97 pF/m</b>	100 MHz	6,5
-Velocity ratio:	<b>66%</b>	200 MHz	9,7
		400 MHz	14,6
		500 MHz	16,8
		600 MHz	18,7
		860 MHz	23,4
		1000 MHz	25,8

### SCREENING EFFECTIVENESS Db

100-900 MHz >55  
 .....-..... MHz

### STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	<b>6,2 Ohm/Km</b>	30-300 MHz	>30
Outer conductor resistance:	<b>4 Ohm/Km</b>	300-600 MHz	>30
		600-900 MHz	>30
Temperature Range:	<b>-30 °C / +70 °C</b>		

# MIL-C-17F 50 Ohm RF Coaxial Cables

## RG 213 U (P.Num: 122628)

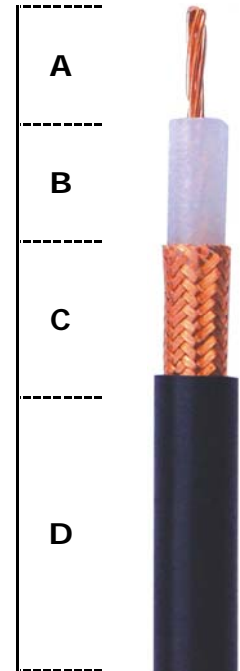


### Technical Data

#### MECHANICAL DATA

#### DIMENSIONS

<b>A</b>	Plain copper inner conductor	<b>CU</b>	<b>7 x 0,75 mm</b>
<b>B</b>	Low density polyethylene dielectric	<b>PE</b>	<b>ø 7,25 ± 0,18 mm</b>
<b>C</b>	Plain copper outer conductor Percentage coverage	<b>CU</b>	<b>192 x 0,18 mm 97%</b>
<b>D</b>	Non-contaminating polyvinyl-chloride sheath Sheath's colour : <b>BLACK</b>	<b>PVC2</b>	<b>ø 10,3 ± 0,18 mm</b>



-Cable weight:	<b>161,7Kg/Km</b>
-Copper weight:	<b>75,6Kg/Km</b>

#### ELECTRICAL PERFORMANCE

-Impedance:	<b>50 ± 3 Ohm</b>
-Capacitance:	<b>100 pF/m</b>
-Velocity ratio:	<b>66%</b>

#### ATTENUATION dB/100 m

50 MHz	4,3
100 MHz	6,4
200 MHz	9,5
400 MHz	14,2
500 MHz	16,2
600 MHz	18,1
860 MHz	22,6
1000 MHz	24,9

#### SCREENING EFFECTIVENESS Db

100-900 MHz >55  
.....-..... MHz

#### STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	<b>6 Ohm/Km</b>	30-300 MHz	>30
Outer conductor resistance:	<b>4 Ohm/Km</b>	300-600 MHz	>30
		600-900 MHz	>30
Temperature Range:	<b>-30 °C / +70 °C</b>		

# MIL-C-17F 50 Ohm RF Coaxial Cables

## RG 58 U (P.Num: 122639)



### Technical Data

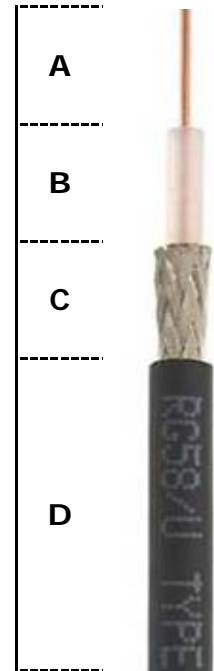
#### MECHANICAL DATA

<b>A</b>	Plain copper inner conductor	<b>CU</b>
<b>B</b>	Low density polyethylene dielectric	<b>PE</b>
<b>C</b>	Tinner copper outer conductor Percentage coverage	<b>CS</b>
<b>D</b>	Polyvinyl-chloride sheath	<b>PVC</b>

Sheath's colour : **BLACK**

#### DIMENSIONS

$\varnothing$ 0,80 ± 0,025 mm
$\varnothing$ 2,95 ± 0,10 mm
112 x 0,13 mm 95%
$\varnothing$ 5,00 ± 0,10 mm



-Cable weight:	<b>39,9Kg/Km</b>
-Copper weight:	<b>18,7Kg/Km</b>

#### ELECTRICAL PERFORMANCE

-Impedance:	<b>53,5 ± 3 Ohm</b>
-Capacitance:	<b>94 pF/m</b>
-Velocity ratio:	<b>66%</b>

#### ATTENUATION dB/100 m

50 MHz	9,4
100 MHz	13,7
200 MHz	19,7
400 MHz	29,2
500 MHz	33
600 MHz	36,6
860 MHz	45,3
1000 MHz	49,6

#### SCREENING EFFECTIVENESS Db

100-900 MHz >55  
.....-..... MHz

#### STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	<b>35 Ohm/Km</b>	30-300 MHz	>35
Outer conductor resistance:	<b>16,5 Ohm/Km</b>	300-600 MHz	>30
Temperature Range:	<b>-30 °C / +70 °C</b>	600-900 MHz	>30

# MIL-C-17F 50 Ohm RF Coaxial Cables

## RG 58 CU (P.Num: 122650)



### Technical Data

#### MECHANICAL DATA

- A** Tinned copper inner conductor
- B** Low density polyethylene dielectric
- C** Tinner copper outer conductor  
Percentage coverage
- D** Non-contaminating polyvinyl-chloride sheath  
Sheath's colour : **BLACK**

**CS**

**PE**

**CS**

**PVC2**

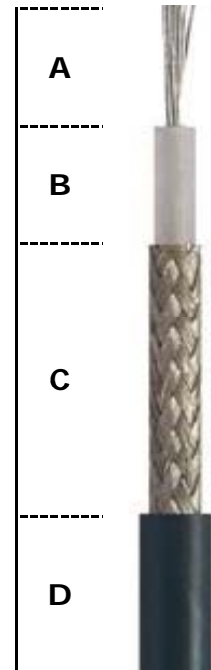
#### DIMENSIONS

**19 x 0,18 mm**

**∅ 2,95 ± 0,10 mm**

**112 x 0,13 mm**  
**95%**

**∅ 5,00 ± 0,10 mm**



- Cable weight: **39,9Kg/Km**
- Copper weight: **18,7Kg/Km**

#### ELECTRICAL PERFORMANCE

- Impedance: **50 ± 3 Ohm**
- Capacitance: **100 pF/m**
- Velocity ratio: **66%**

#### ATTENUATION dB/100 m

50 MHz	9,7
100 MHz	14
200 MHz	20,5
400 MHz	30
500 MHz	34,4
600 MHz	38
860 MHz	47
1000 MHz	51,6

#### SCREENING EFFECTIVENESS Db

100-900 MHz >55  
.....-..... MHz

#### STRUCTURAL RETURN LOSS dB

- Inner conductor resistance: **36,5 Ohm/Km**
- Outer conductor resistance: **16,5 Ohm/Km**
- Temperature Range: **-30 °C / +70 °C**
- 30-300 MHz >35  
300-600 MHz >30  
600-900 MHz >30

# MIL-C-17F 50 Ohm RF Coaxial Cables

## RG 174 AU (P.Num: 122661)



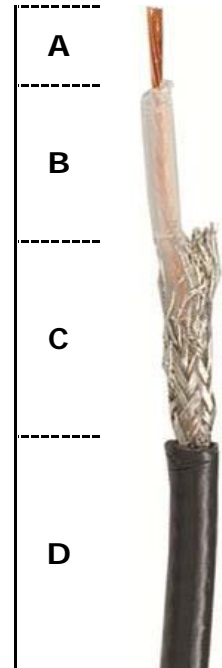
### Technical Data

#### MECHANICAL DATA

<b>A</b>	Copperweld inner conductor	<b>CW</b>
<b>B</b>	Low density polyethylene dielectric	<b>PE</b>
<b>C</b>	Tinner copper outer conductor Percentage coverage	<b>CS</b>
<b>D</b>	Non-contaminating polyvinyl-chloride sheath Sheath's colour : <b>BLACK</b>	<b>PVC2</b>

#### DIMENSIONS

<b>7 x 0,16 mm</b>
<b>∅ 1,50 ± 0,08 mm</b>
<b>64 x 0,10 mm 88%</b>
<b>∅ 2,80 ± 0,13 mm</b>



-Cable weight:	<b>12,5Kg/Km</b>
-Copper weight:	<b>5,9Kg/Km</b>

#### ELECTRICAL PERFORMANCE

-Impedance:	<b>50 ± 3 Ohm</b>
-Capacitance:	<b>100 pF/m</b>
-Velocity ratio:	<b>66%</b>

#### ATTENUATION dB/100 m

50 MHz	18
100 MHz	26
200 MHz	38,5
400 MHz	55,3
500 MHz	63,2
600 MHz	68,7
860 MHz	82,6
1000 MHz	90

#### SCREENING EFFECTIVENESS Db

100-900 MHz >50  
.....-..... MHz

#### STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	<b>290 Ohm/Km</b>	30-300 MHz	>35
Outer conductor resistance:	<b>39 Ohm/Km</b>	300-600 MHz	>30
Temperature Range:	<b>-30 °C / +70 °C</b>	600-900 MHz	>30

# MIL-C-17F 50 Ohm RF Coaxial Cables

## RG 214 U (P.Num: 122672)



### Technical Data

<u>MECHANICAL DATA</u>		<u>DIMENSIONS</u>	
<b>A</b> Silvered copper inner conductor	<b>CA</b>	<b>7 x 0,75 mm</b>	<b>A</b>
<b>B</b> Low density polyethylene dielectric	<b>PE</b>	<b>ø 7,25 ± 0,18 mm</b>	<b>B</b>
<b>C</b> Silvered copper outer conductor Percentage coverage	<b>CA</b>	<b>144 x 0,16 mm</b> <b>96%</b>	<b>C</b>
<b>D</b> Silvered copper outer conductor Percentage coverage	<b>CA</b>	<b>168 x 0,16 mm</b> <b>98%</b>	<b>D</b>
<b>E</b> Non-contaminating polyvinyl-chloride sheath Sheath's colour : <b>BLACK</b>	<b>PVC2</b>	<b>ø 10,80 ± 0,18 mm</b>	<b>E</b>



-Cable weight: **205,3Kg/Km**  
 -Copper weight: **117,7Kg/Km**

#### ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**  
 -Capacitance: **100 pF/m**  
 -Velocity ratio: **66%**

#### ATTENUATION dB/100 m

50 MHz 5,2  
 100 MHz 7,6  
 200 MHz 11  
 400 MHz 16,3  
 500 MHz 18,5  
 600 MHz 20,6  
 860 MHz 25,6  
 1000 MHz 28,3

#### SCREENING EFFECTIVENESS Db

100-900 MHz >75  
 .....-..... MHz

#### STRUCTURAL RETURN LOSS dB

Inner conductor resistance: **6 Ohm/Km** 30-300 MHz >30  
 Outer conductor resistance: **3.1 Ohm/Km** 300-600 MHz >30  
 600-900 MHz >30  
 Temperature Range: **-30 °C / +70 °C**

# MIL-C-17F 50 Ohm RF Coaxial Cables

## RG 223 U (P.Num: 122683)

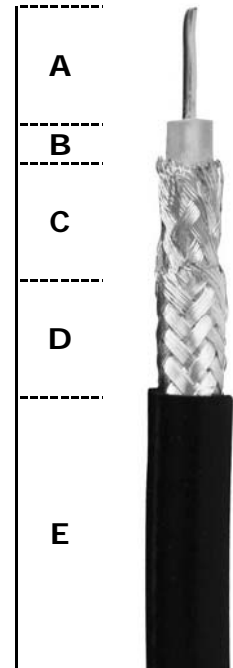


### Technical Data

#### MECHANICAL DATA

#### DIMENSIONS

<b>A</b>	Silvered copper inner conductor	<b>CA</b>	$\varnothing 0,90 \pm 0,025 \text{ mm}$
<b>B</b>	Low density polyethylene dielectric	<b>PE</b>	$\varnothing 2,95 \pm 0,10 \text{ mm}$
<b>C</b>	Silvered copper outer conductor Percentage coverage	<b>CA</b>	$112 \times 0,13 \text{ mm}$ 98%
<b>D</b>	Silvered copper outer conductor Percentage coverage	<b>CA</b>	$112 \times 0,13 \text{ mm}$ 97%
<b>E</b>	Non-contaminating polyvinyl-chloride sheath Sheath's colour : <b>BLACK</b>	<b>PVC2</b>	$\varnothing 5,40 \pm 0,10 \text{ mm}$



-Cable weight:	<b>59,9Kg/Km</b>
-Copper weight:	<b>38,5Kg/Km</b>

#### ELECTRICAL PERFORMANCE

-Impedance:	<b>50 ± 3 Ohm</b>
-Capacitance:	<b>100 pF/m</b>
-Velocity ratio:	<b>66%</b>

#### ATTENUATION dB/100 m

50 MHz	9,3
100 MHz	13,5
200 MHz	19,5
400 MHz	29
500 MHz	32,7
600 MHz	36,3
860 MHz	44,5
1000 MHz	48,5

#### SCREENING EFFECTIVENESS Db

100-900 MHz >75  
.....-..... MHz

#### STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	<b>29 Ohm/Km</b>	30-300 MHz	>35
Outer conductor resistance:	<b>8.5 Ohm/Km</b>	300-600 MHz	>30
		600-900 MHz	>25
Temperature Range:	<b>-30 °C / +70 °C</b>		