

MIL-C-17F 75 Ohm RF Coaxial Cables
RG 6 AU (P.Num.: 122694)

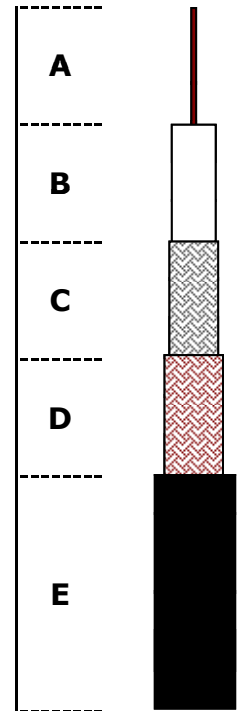


Technical Data

MECHANICAL DATA

DIMENSIONS

A	Copperweld inner conductor	CW	∅ 0,72 ± 0,025 mm
B	Low density polyethylene dielectric	PE	∅ 4,70 ± 0,10 mm
C	Silvered copper outer conductor Percentage coverage	CA	144 x 0,16 mm 97%
D	Plain copper outer conductor Percentage coverage	CU	144 x 0,16 mm 95%
E	Non-contaminating polyvinyl- chloride sheath Sheath's colour : BLACK	PVC2	∅ 8,50 ± 0,10 mm



-Copper weight: **64,6Kg/Km**
 -Cable weight: **123,4Kg/Km**

ELECTRICAL PERFORMANCE

ATTENUATION dB/100 m

-Impedance:	75 ± 3 Ohm	50 MHz	6,2
		100 MHz	8,7
-Capacitance:	67 pF/m	200 MHz	13,3
		400 MHz	19,1
-Velocity ratio:	66%	500 MHz	22
		600 MHz	23,8
		860 MHz	29,5
		1000 MHz	32

SCREENING EFFECTIVENESS Db

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

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	1060hm /Km	30-300 MHz	>30
Outer conductor resistance:	4,8 Ohm/Km	300-600 MHz	>30
		600-900 MHz	>25
Temperature Range:	-30 °C / +70 °C		

MIL-C-17F 75 Ohm RF Coaxial Cables

RG 11 AU (P.Num.: 122705)



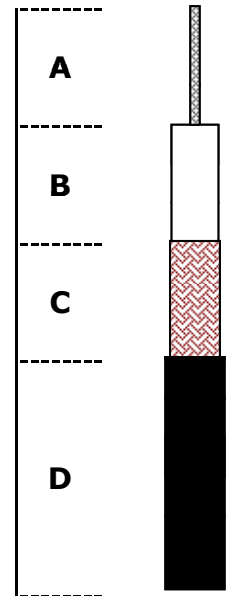
Technical Data

MECHANICAL DATA

A	Tinned copper inner conductor	CS
B	Low density polyethylene dielectric	PE
C	Plain copper outer conductor Percentage coverage	CU
D	Non-contaminating polyvinyl- chloride sheath Sheath's colour : BLACK	PVC2

DIMENSIONS

7 x 0,40 mm
ø 7,25 ± 0,18 mm
192 x 0,18 mm 97%
ø 10,3 ± 0,18 mm



-Copper weight:	57Kg/Km
-Cable weight:	145,2Kg/Km

ELECTRICAL PERFORMANCE

-Impedance:	75 ± 3 Ohm
-Capacitance:	67 pF/m
-Velocity ratio:	66%

ATTENUATION dB/100 m

50 MHz	4,1
100 MHz	6,2
200 MHz	9
400 MHz	13,4
500 MHz	15,2
600 MHz	17
860 MHz	21
1000 MHz	23,4

SCREENING EFFECTIVENESS Db

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

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	20,5 Ohm/Km	30-300 MHz	>30
Outer conductor resistance:	4,2 Ohm/Km	300-600 MHz	>30
		600-900 MHz	>25
Temperature Range:	-30 °C / +70 °C		

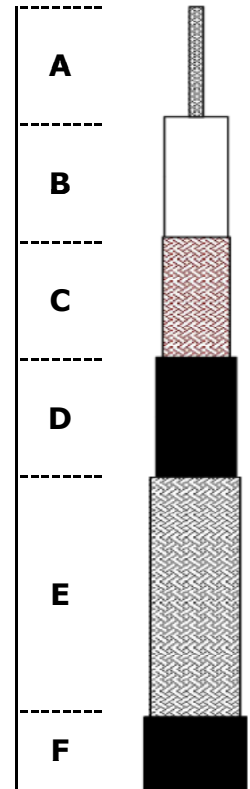
MIL-C-17F 75 Ohm RF Coaxial Cables

RG 12 AU (P.Num.: 122716)



Technical Data

<u>MECHANICAL DATA</u>		<u>DIMENSIONS</u>	
A	Tinned copper inner conductor	CS	7 x 0,40 mm
B	Low density polyethylene dielectric	PE	ø 7,25 ± 0,18 mm
C	Plain copper outer conductor Percentage coverage	CU	192 x 0,18 mm 97%
D	Non-contaminating polyvinyl- chloride sheath Sheath's colour : BLACK	PVC2	ø 10,3 ± 0,18 mm
E	Zinc-plated steel wire arm Percentage coverage	FE-ZN	144 x 0,24 mm 85%
F	Non-contaminating polyvinyl- chloride sheath Sheath's colour : BLACK	PVC2	ø 14,30 ± 0,20 mm



-Copper weight:	57Kg/Km
-Cable weight:	298,5Kg/Km

<u>ELECTRICAL PERFORMANCE</u>	<u>ATTENUATION dB/100 m</u>
-Impedance:	75 ± 3 Ohm
-Capacitance:	67 pF/m
-Velocity ratio:	66%
	50 MHz 4,2
	100 MHz 6,2
	200 MHz 9,3
	400 MHz 13,8
	500 MHz 15,5
	600 MHz 17,1
	860 MHz 21,1
	1000 MHz 23,4

SCREENING EFFECTIVENESS Db

100-900 MHz >70
.....-..... MHz

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	20,5 Ohm/Km	30-300 MHz >30
		300-600 MHz >27
Outer conductor resistance:	4,5 Ohm/Km	600-900 MHz >25

Temperature Range: **-30 °C / +70 °C**

MIL-C-17F 75 Ohm RF Coaxial Cables

RG 59 BU (P.Num.: 122727)

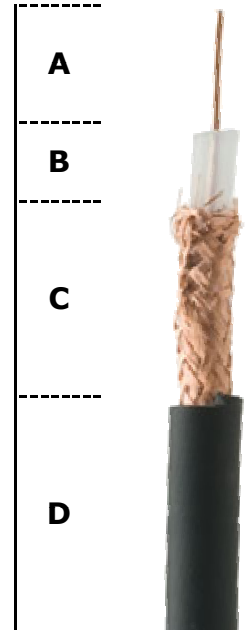


Technical Data

MECHANICAL DATA

DIMENSIONS

A	Copperweld inner conductor	CW	$\varnothing 0,58 \pm 0,025 \text{ mm}$
B	Low density polyethylene dielectric	PE	$\varnothing 3,70 \pm 0,10 \text{ mm}$
C	Silvered copper outer conductor Percentage coverage	CU	$120 \times 0,15 \text{ mm}$ 95%
D	Non-contaminating polyvinyl- chloride sheath Sheath's colour : BLACK	PVC2	$\varnothing 6,20 \pm 0,10 \text{ mm}$



-Copper weight:	22,4Kg/Km
-Cable weight:	55,8Kg/Km

ELECTRICAL PERFORMANCE

-Impedance:	75 \pm 3 Ohm
-Capacitance:	67 pF/m
-Velocity ratio:	66%

ATTENUATION dB/100 m

50 MHz	7,5
100 MHz	10,9
200 MHz	15,8
400 MHz	22,9
500 MHz	25,8
600 MHz	28,7
860 MHz	34,8
1000 MHz	38

SCREENING EFFECTIVENESS Db

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

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	158 Ohm/Km	30-300 MHz	>35
Outer conductor resistance:	9 Ohm/Km	300-600 MHz	>30
		600-900 MHz	>30
Temperature Range:	-30 °C / +70 °C		

MIL-C-17F 75 Ohm RF Coaxial Cables
RG 216 U (P.Num.: 122738)

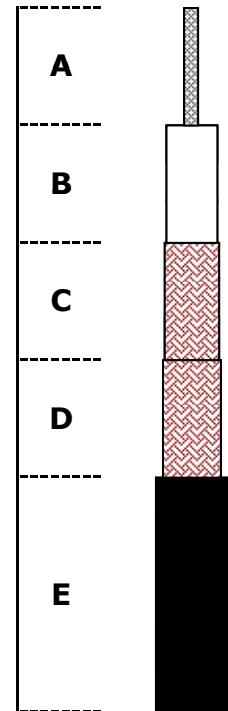


Technical Data

MECHANICAL DATA

DIMENSIONS

A	Tinned copper inner conductor	CS	7 x 0,40 mm
B	Low density polyethylene dielectric	PE	ø 7,25 ± 0,18 mm
C	Plain copper outer conductor Percentage coverage	CU	216 x 0,16 mm 97%
D	Plain copper outer conductor Percentage coverage	CU	192 x 0,16 mm 96%
E	Non-contaminating polyvinyl- chloride sheath Sheath's colour : BLACK	PVC2	ø 10,8 ± 0,18 mm



-Copper weight: **97,3Kg/Km**
 -Cable weight: **187Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **75 ± 3 Ohm**
 -Capacitance: **67 pF/m**
 -Velocity ratio: **66%**

ATTENUATION dB/100 m

50 MHz	4,1
100 MHz	6,2
200 MHz	9
400 MHz	13,4
500 MHz	15,2
600 MHz	17
860 MHz	21
1000 MHz	23,4

SCREENING EFFECTIVENESS Db

100-900 MHz >70
-..... MHz

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	20,5 Ohm/Km	30-300 MHz	>30
Outer conductor resistance:	3,3 Ohm/Km	300-600 MHz	>30
		600-900 MHz	>25
Temperature Range:	-30 °C /+70 °C		