Flamex RG & KX LSZH

Halogen free,coaxial,flexible cables

Technical Data

Application-Installation

High Frequency Data transmission (communication equipment, radar, instrumentation equipment),Video signal transmission.

Construction

1.Conductor

-Stranded or solid bare, tinned copper, silvered copper or copper clad steel

-Circular stranded or solid

2.Dielectric

-plain PE

3.Tape (option)

-fire-barrier

4.Screen

-single or double braid bare, tinned or silvered copper

5.Outer Seath

-**black** or **green**

-halogen free

-LSZH

Standards

IEC 60332-3 Cat.C

IEC 60754-1

IEC 60754-2

IEC 61034

Main Characteristics

-Electrical and mechanical data in accordance with the MIL C17 standard

-High electromagnetic protection:single or double braids

-Halogen free

-Fire-retardant

-Flame-retardant

-High chemical resistance

-Non corrosive and non toxic

-Low smoke emission

-Operating temperature,range: -30°C...80°C

-RoHS conform

Marking

FILOTEX P FLAMEX "cable type"

Flamex RG LSZH

Halogen free,coaxial,flexible cables

Part Number	Cable Type	Nominal outer diameter mm	Approx. weight kg/km	Impedance @200MHz Ohm	Operating Voltage V	Conductor Material	Pack.
120912	RG 11	10,30	146,0	75	3700	Bare copper	Reel
120923	RG 58	4,95	41,0	50	1400	Tinned copper	Reel 250m
120934	RG 59*	6,15	58,0	75	1700	Copper-clad steel	Reel 250m
120945	RG 174	2,79	12,5	50	1100	Copper-clad steel	Reel 250m
120956	RG 213	10,30	165,0	50	3700	Bare copper	Reel 250m
120967	RG 214	10,80	198,0	50	3700	Silvered copper	Reel 250m
120978	RG 216	10,80	185,0	75	3700	Tinned copper	Reel

Flamex KX LSZH

Halogen free,coaxial,flexible cables

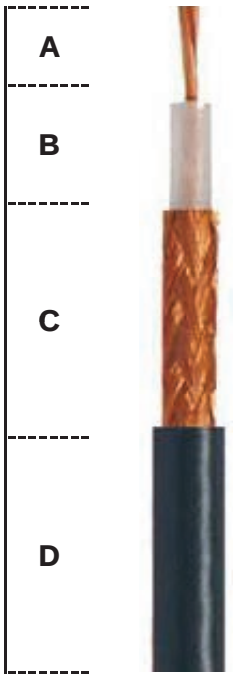
Part Number	Cable Type	Nominal outer diameter mm	Approx. weight kg/km	Impedance @200MHz Ω	Operating Voltage V	Conductor Material	Pack.
120989	KX 3B	2,54	10,0	50	1100	Copper-clad steel	Reel
121000	KX 6A	6,10	57,0	75	1700	Bare copper	Reel 1000m
121011	KX 8	10,30	145,0	75	3700	Bare copper	Reel 600m

MIL-C-17F 50 Ohm RF Coaxial Cables

RG 8 AU (P.Num: 122617)

Technical Data

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



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

ELECTRICAL PERFORMANCE

-Impedance: **52 ± 3 Ohm**

-Capacitance: **97 pF/m**

-Velocity ratio: **66%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **6,2 Ohm/Km**

Outer conductor resistance: **4 Ohm/Km**

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

ATTENUATION dB/100 m

50 MHz	4,4
100 MHz	6,5
200 MHz	9,7
400 MHz	14,6
500 MHz	16,8
600 MHz	18,7
860 MHz	23,4
1000 MHz	25,8

STRUCTURAL RETURN LOSS dB

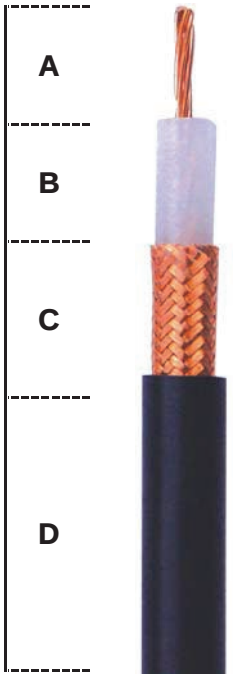
30-300	MHz	>30
300-600	MHz	>30
600-900	MHz	>30

MIL-C-17F 50 Ohm RF Coaxial Cables

RG 213 U (P.Num: 122628)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor	**CU**	**7 x 0,75 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**



-Cable weight: **161,7Kg/Km**
-Copper weight: **75,6Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **100 pF/m**

-Velocity ratio: **66%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **6 Ohm/Km**

Outer conductor resistance: **4 Ohm/Km**

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

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

STRUCTURAL RETURN LOSS dB

30-300	MHz	>30
300-600	MHz	>30
600-900	MHz	>30

MIL-C-17F 50 Ohm RF Coaxial Cables

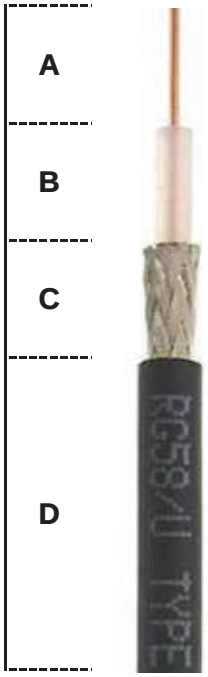
RG 58 U (P.Num: 122639)

Technical Data

MECHANICAL DATA | **DIMENSIONS**

A	Plain copper inner conductor	**CU**	**ø 0,80 ± 0,025 mm**
B	Low density polyethylene dielectric	**PE**	**ø 2,95 ± 0,10 mm**
C	Tinner copper outer conductor Percentage coverage	**CS**	**112 x 0,13 mm** **95%**
D	Polyvinyl-chloride sheath	**PVC**	**ø 5,00 ± 0,10 mm**

Sheath's colour : **BLACK**



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

ELECTRICAL PERFORMANCE

-Impedance: **53,5 ± 3 Ohm**

-Capacitance: **94 pF/m**

-Velocity ratio: **66%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **35 Ohm/Km**

Outer conductor resistance: **16,5 Ohm/Km**

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

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

STRUCTURAL RETURN LOSS dB

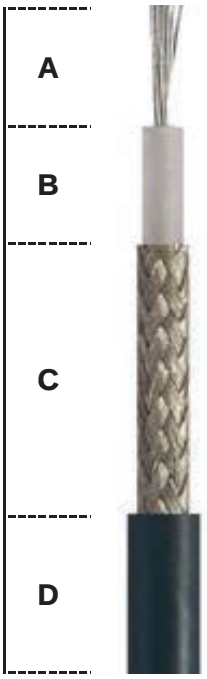
30-300	MHz	>35
300-600	MHz	>30
600-900	MHz	>30

MIL-C-17F 50 Ohm RF Coaxial Cables

RG 58 CU (P.Num: 122650)

Technical Data

			MECHANICAL DATA	DIMENSIONS
A	Tinned copper inner conductor	**CS**		**19 x 0,18 mm**
B	Low density polyethylene dielectric	**PE**		**ø 2,95 ± 0,10 mm**
C	Tinner copper outer conductor Percentage coverage	**CS**		**112 x 0,13 mm** **95%**
D	Non-contaminating polyvinyl-chloride sheath Sheath's colour : **BLACK**	**PVC2**		**ø 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%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **36,5 Ohm/Km**

Outer conductor resistance: **16,5 Ohm/Km**

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

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

STRUCTURAL RETURN LOSS dB

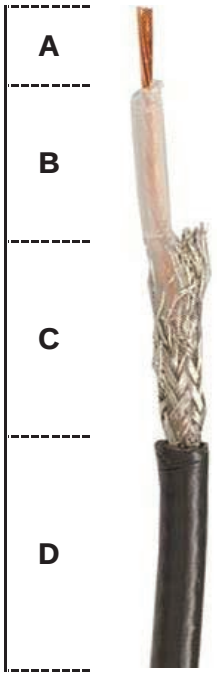
30-300	MHz	>35
300-600	MHz	>30
600-900	MHz	>30

MIL-C-17F 50 Ohm RF Coaxial Cables

RG 174 AU (P.Num: 122661)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Copperweld inner conductor	**CW**	**7 x 0,16 mm**
B	Low density polyethylene dielectric	**PE**	**ø 1,50 ± 0,08 mm**
C	Tinner copper outer conductor Percentage coverage	**CS**	**64 x 0,10 mm** **88%**
D	Non-contaminating polyvinyl-chloride sheath Sheath's colour : **BLACK**	**PVC2**	**ø 2,80 ± 0,13 mm**



-Cable weight: **12,5Kg/Km**
-Copper weight: **5,9Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **100 pF/m**

-Velocity ratio: **66%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **290 Ohm/Km**

Outer conductor resistance: **39 Ohm/Km**

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

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

STRUCTURAL RETURN LOSS dB

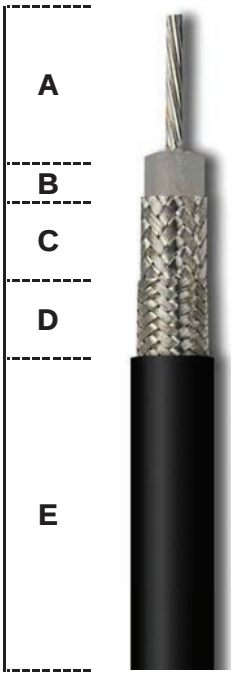
30-300	MHz	>35
300-600	MHz	>30
600-900	MHz	>30

MIL-C-17F 50 Ohm RF Coaxial Cables

RG 214 U (P.Num: 122672)

Technical Data

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



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

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **100 pF/m**

-Velocity ratio: **66%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **6 Ohm/Km**

Outer conductor resistance: **3.1 Ohm/Km**

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

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

STRUCTURAL RETURN LOSS dB

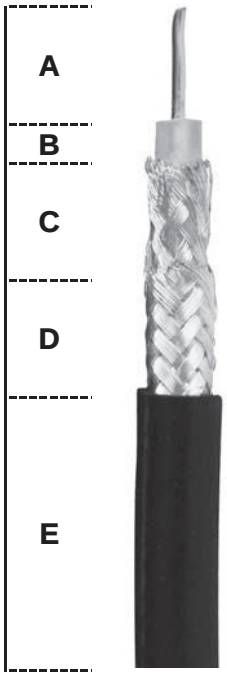
30-300	MHz	>30
300-600	MHz	>30
600-900	MHz	>30

MIL-C-17F 50 Ohm RF Coaxial Cables

RG 223 U (P.Num: 122683)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Silvered copper inner conductor	**CA**	**ø 0,90 ± 0,025 mm**
B	Low density polyethylene dielectric	**PE**	**ø 2,95 ± 0,10 mm**
C	Silvered copper outer conductor Percentage coverage	**CA**	**112 x 0,13 mm** **98%**
D	Silvered copper outer conductor Percentage coverage	**CA**	**112 x 0,13 mm** **97%**
E	Non-contaminating polyvinyl-chloride sheath Sheath's colour : **BLACK**	**PVC2**	**ø 5,40 ± 0,10 mm**



-Cable weight: **59,9Kg/Km**
-Copper weight: **38,5Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **100 pF/m**

-Velocity ratio: **66%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **29 Ohm/Km**

Outer conductor resistance: **8.5 Ohm/Km**

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

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

STRUCTURAL RETURN LOSS dB

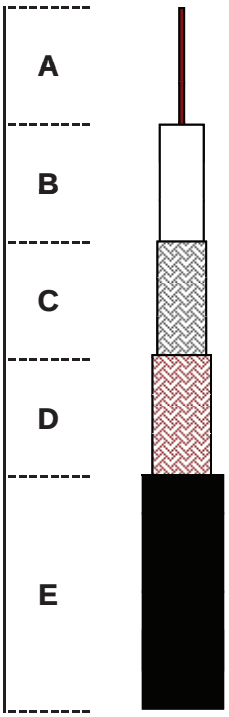
30-300 MHz	>35
300-600 MHz	>30
600-900 MHz	>25

MIL-C-17F 75 Ohm RF Coaxial Cables

RG 6 AU (P.Num.: 122694)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Copperweld inner conductor	**CW**	**ø 0,72 ± 0,025 mm**
B	Low density polyethylene dielectric	**PE**	**ø 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**	**ø 8,50 ± 0,10 mm**



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

ELECTRICAL PERFORMANCE

-Impedance: **75 ± 3 Ohm**

-Capacitance: **67 pF/m**

-Velocity ratio: **66%**

ATTENUATION dB/100 m

50 MHz	6,2
100 MHz	8,7
200 MHz	13,3
400 MHz	19,1
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

30-300	MHz	>30
300-600	MHz	>30
600-900	MHz	>25

Inner conductor resistance: **106Ohm /Km**

Outer conductor resistance: **4,8 Ohm/Km**

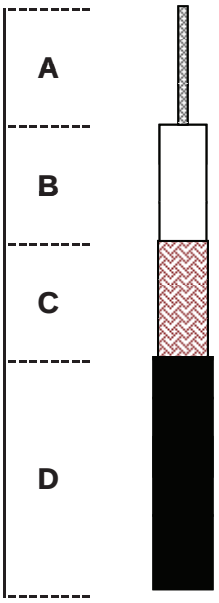
Temperature Range: **-30 °C /+70 °C**

MIL-C-17F 75 Ohm RF Coaxial Cables

RG 11 AU (P.Num.: 122705)

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**	**192 x 0,18 mm** **97%**
D	Non-contaminating polyvinyl-chloride sheath Sheath's colour : **BLACK**	**PVC2**	**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

30-300 MHz	>30
300-600 MHz	>30
600-900 MHz	>25

Inner conductor resistance: **20,5 Ohm/Km**

Outer conductor resistance: **4,2 Ohm/Km**

Temperature Range: **-30 °C /+70 °C**

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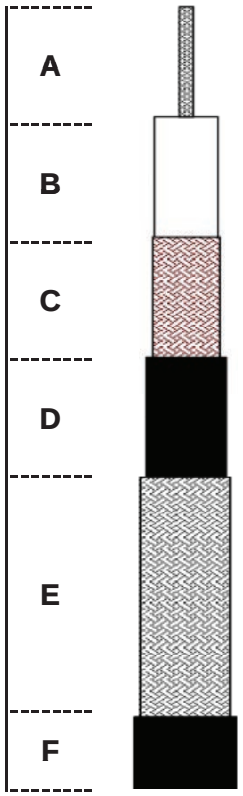
MIL-C-17F 75 Ohm RF Coaxial Cables

RG 12 AU (P.Num.: 122716)

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**	**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**

ELECTRICAL PERFORMANCE

-Impedance: **75 ± 3 Ohm**

-Capacitance: **67 pF/m**

-Velocity ratio: **66%**

ATTENUATION dB/100 m

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

30-300	MHz	>30
300-600	MHz	>27
600-900	MHz	>25

Inner conductor resistance: **20,5 Ohm/Km**

Outer conductor resistance: **4,5 Ohm/Km**

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

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MIL-C-17F 75 Ohm RF Coaxial Cables

RG 59 BU (P.Num.: 122727)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Copperweld inner conductor	**CW**	**ø 0,58 ± 0,025 mm**
B	Low density polyethylene dielectric	**PE**	**ø 3,70 ± 0,10 mm**
C	Silvered copper outer conductor Percentage coverage	**CU**	**120 x 0,15 mm** **95%**
D	Non-contaminating polyvinyl-chloride sheath Sheath's colour : **BLACK**	**PVC2**	**ø 6,20 ± 0,10 mm**

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

ELECTRICAL PERFORMANCE

-Impedance: **75 ± 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

30-300 MHz	>35
300-600 MHz	>30
600-900 MHz	>30

Inner conductor resistance: **158 Ohm/Km**

Outer conductor resistance: **9 Ohm/Km**

Temperature Range: **-30 °C /+70 °C**

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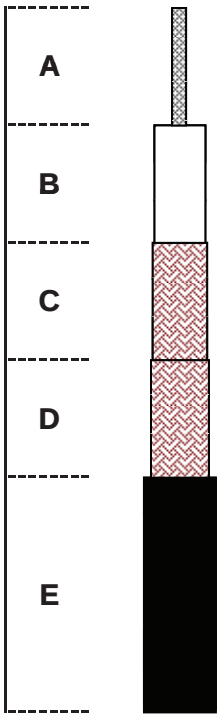
MIL-C-17F 75 Ohm RF Coaxial Cables

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

30-300 MHz	>30
300-600 MHz	>30
600-900 MHz	>25

Inner conductor resistance: **20,5 Ohm/Km**

Outer conductor resistance: **3,3 Ohm/Km**

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

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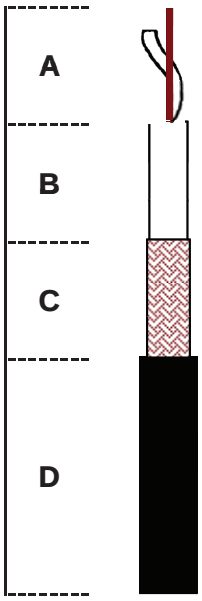
MIL-C-17F 93 Ohm RF Coaxial Cables

RG 62 AU (P.Num.: 122749)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Copperweld inner conductor	**CW**	**ø 0,64 ± 0,025 mm**
B	Aired polyethylene dielectric	**PEA**	**ø 3,70 ± 0,13 mm**
C	Plain copper outer conductor Percentage coverage	**CU**	**120 x 0,15 mm** **95%**
E	Non-contaminating polyvinyl-chloride sheath Sheath's colour : **BLACK**	**PVC2**	**ø 6,20 ± 0,18 mm**



-Copper weight: **22,8Kg/Km**
-Cable weight: **52,7Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **93 ± 5 Ohm**

-Capacitance: **44 pF/m**

-Velocity ratio: **84%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **130 Ohm/Km**

Outer conductor resistance: **9 Ohm/Km**

Temperature range: **-30 °C/+70 °C**

ATTENUATION dB/100 m

50 MHz	5,8
100 MHz	8,2
200 MHz	11,7
400 MHz	17
500 MHz	19,3
600 MHz	21
860 MHz	26,1
1000 MHz	27,8

STRUCTURAL RETURN LOSS dB

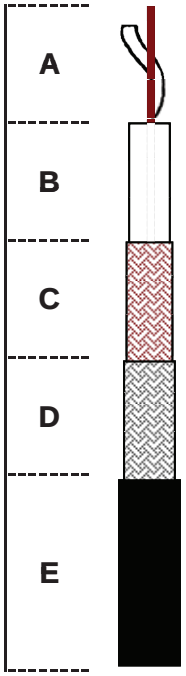
30-300	MHz	>20
300-600	MHz	>20
600-900	MHz	>20

MIL-C-17F 93 Ohm RF Coaxial Cables

RG 71 AU (P.Num.: 122760)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Copperweld inner conductor	**CW**	**ø 0,64 ± 0,025 mm**
B	Aired polyethylene dielectric	**PEA**	**ø 3,70 ± 0,13 mm**
C	Plain copper outer conductor Percentage coverage	**CU**	**112 x 0,16 mm** **97%**
D	Tinned copper outer conductor Percentage coverage	**CS**	**144 x 0,13 mm** **96%**
E	Carbon black polyethylene sheath Sheath's colour : **BLACK**	**PE**	**ø 6,20 ± 0,13 mm**



-Copper weight: **44Kg/Km**
-Cable weight: **61,7Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **93 ± 5 Ohm**

-Capacitance: **44 pF/m**

-Velocity ratio: **84%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **130 Ohm/Km**

Outer conductor resistance: **7 Ohm/Km**

Temperature range: **-40 °C/+75 °C**

ATTENUATION dB/100 m

50 MHz	5,8
100 MHz	8,2
200 MHz	11,7
400 MHz	17
500 MHz	19,3
600 MHz	21
860 MHz	26,1
1000 MHz	27,8

STRUCTURAL RETURN LOSS dB

30-300 MHz	>17
300-600 MHz	>17
600-900 MHz	>17

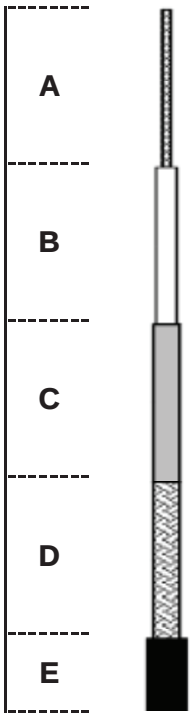
RG "low loss"50 Ohm Coaxial Cables

RF 50 LTA (P.Num.: 122771)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Tinned copper inner conductor	**CS**	**7 x 0,25 mm**
B	Foam polyethylene dielectric	**PEE**	**ø 2,00 ± 0,10 mm**
C	Aluminium + polyester + aluminium tape shield LTA Percentage coverage	**LTA**	**100%**
D	Tinned copper outer conductor Percentage coverage	**CS**	**48 x 0,12 mm 64%**
E	Polyvinyl-chloride sheath	**PVC**	**ø 3,60 ± 0,10 mm**

Sheath's colour : **BLACK**



-Copper weight: **8,2Kg/Km**
-Cable weight: **18,3Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **95pF/m**

-Velocity ratio: **75%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **0 Ohm/Km**

Outer conductor resistance: **0 Ohm/Km**

Temperature Range: **-30 °C/+70 °C**

ATTENUATION dB/100 m

50 MHz	13
100 MHz	17,3
200 MHz	35
400 MHz	43,3
500 MHz	52,7
600 MHz	57,2
860 MHz	76,7
1000 MHz	94

STRUCTURAL RETURN LOSS dB

30-300	MHz	>24
300-600	MHz	>21
600-900	MHz	>15

RG "low loss"50 Ohm Coaxial Cables

RF 195 LTA (P.Num.: 122782)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor	CS	ø 0,95 mm
B	Foam polyethylene dielectric	PEE	ø 2,80 ± 0,10 mm
C	Aluminium + polyester + aluminium tape shield LTA Percentage coverage	LTA	100%
C	Tinned copper outer conductor Percentage coverage	CS	96 x 0,12 mm 85%
E	Non-corrosive thermoplastic free of halogens sheath Sheath's colour : **BLACK**	PVC	ø 5,00 ± 0,10 mm

-Copper weight: **16,6Kg/Km**
-Cable weight: **36,6Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **80pF/m**

-Velocity ratio: **80%**

ATTENUATION dB/100 m

50 MHz	8,5
100 MHz	11,3
200 MHz	22,9
400 MHz	28,7
500 MHz	34,5
600 MHz	37,5
860 MHz	52,2
1000 MHz	64

SCREENING EFFECTIVENESS Db

100-900 MHz	>85	CLASS A
.....-..... MHz		

STRUCTURAL RETURN LOSS dB

30-300	MHz	>28
300-600	MHz	>24
600-900	MHz	>19

Inner conductor resistance: **25,2 Ohm/Km**

Outer conductor resistance: **18,5 Ohm/Km**

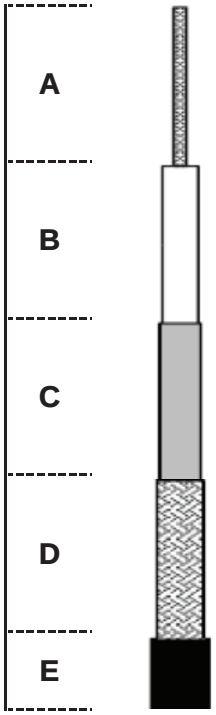
Temperature Range: **-30 °C/+70 °C**

RG "low loss"50 Ohm Coaxial Cables

RF 58 LAP (P.Num.: 122793)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Tinned copper inner conductor	**CS**	**7 x 0,40 mm**
B	Foam polyethylene dielectric	**PEE**	**ø 3,10 ± 0,10 mm**
C	Aluminium + polyester + aluminium tape shield LTA Percentage coverage	**LTA**	**100%**
C	Tinned copper outer conductor Percentage coverage	**CS**	**96 x 0,10 mm 72%**
E	Polyvinyl-chloride sheath	**PVC**	**ø 5,00 ± 0,10 mm**
	Sheath's colour : **BLACK**		



-Copper weight: **15,3Kg/Km**
-Cable weight: **33,9Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **80pF/m**

-Velocity ratio: **80%**

SCREENING EFFECTIVENESS Db

100-900 MHz >80
.....-..... MHz

Inner conductor resistance: **20,5 Ohm/Km**

Outer conductor resistance: **20 Ohm/Km**

Temperature Range: **-30 °C/+70 °C**

ATTENUATION dB/100 m

50 MHz	9,6
100 MHz	12,8
200 MHz	25,9
400 MHz	32,1
500 MHz	39
600 MHz	42,4
860 MHz	59
1000 MHz	72,3

STRUCTURAL RETURN LOSS dB

30-300	MHz	>28
300-600	MHz	>24
600-2400	MHz	>22

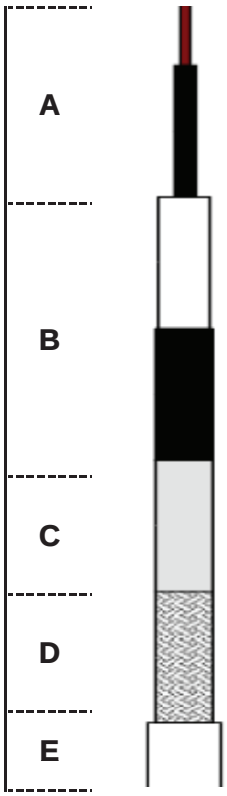
RG "low loss"50 Ohm Coaxial Cables

RF 58 LTA (P.Num.: 122804)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor + carbon black polyethylene	**CU+PE**	**ø 1,00 mm**
B	Gas injected foam polyethylene dielectric+carbon black polyethylene	**PEG+PE**	**ø 2,95 ± 0,10 mm**
C	Aluminium + polyester + aluminium tape shield LTA Percentage coverage	**LTA**	**100%**
D	Tinned copper outer conductor Percentage coverage	**CS**	**64 x 0,15 mm 73%**
E	Polyvinyl-chloride sheath	**PVC**	**ø 5,00 ± 0,10 mm**

Sheath's colour : **WHITE RAL9003**



-Copper weight:	**17,8Kg/Km**
-Cable weight:	**35,4Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance:	**50 ± 3 Ohm**
-Capacitance:	**80pF/m**
-Velocity ratio:	**80%**

SCREENING EFFECTIVENESS Db

100-900 MHz	>80
.....-..... MHz	

Inner conductor resistance:	**22,5 Ohm/Km**
Outer conductor resistance:	**20,5 Ohm/Km**
Temperature Range:	**-30 °C/+70 °C**

ATTENUATION dB/100 m

50 MHz	7,3
100 MHz	9,8
200 MHz	19,7
400 MHz	24,9
500 MHz	30,1
600 MHz	32,7
860 MHz	45,8
1000 MHz	55,8

STRUCTURAL RETURN LOSS dB

30-300	MHz	>30
300-600	MHz	>26
600-2400	MHz	>20

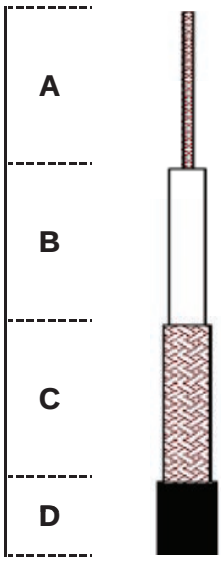
RG "low loss"50 Ohm Coaxial Cables

RF 58 LL (P.Num.: 122815)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor	**CU**	**7 x 0,50 mm**
B	Foam polyethylene dielectric	**PEE**	**ø 3,80 ± 0,10 mm**
C	Tinned copper outer conductor Percentage coverage	**CU**	**144 x 0,12 mm** **94%**
D	Polyvinyl-chloride sheath	**PVC**	**ø 5,40 ± 0,10 mm**

Sheath's colour : **BLACK**



-Copper weight: **28Kg/Km**
-Cable weight: **45,9Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **80pF/m**

-Velocity ratio: **80%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **14 Ohm/Km**

Outer conductor resistance: **11 Ohm/Km**

Temperature Range: **-30 °C/+70 °C**

ATTENUATION dB/100 m

50 MHz	7
100 MHz	10,2
200 MHz	21,2
400 MHz	26,3
500 MHz	32,2
600 MHz	35
860 MHz	48
1000 MHz	58,2

STRUCTURAL RETURN LOSS dB

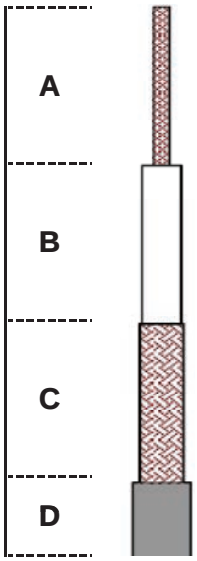
30-300	MHz	>30
300-600	MHz	>27
600-2400	MHz	>22

RG "low loss"50 Ohm Coaxial Cables

RF 8 MINI (P.Num.: 122826)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor	**CU**	**19 x 0,28 mm**
B	Foam polyethylene dielectric	**PEE**	**ø 3,90 ± 0,15 mm**
C	Plain copper outer conductor Percentage coverage	**CU**	**128 x 0,12 mm** **88%**
D	Low smoke and fume polyvinyl-chloride sheath Sheath's colour : **GREY - RAL 7001**	**PLSF**	**ø 6,10 ± 0,10 mm**



-Copper weight: **25,2Kg/Km**
-Cable weight: **53,7Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **80pF/m**

-Velocity ratio: **80%**

SCREENING EFFECTIVENESS Db

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

Inner conductor resistance: **15,5 Ohm/Km**

Outer conductor resistance: **14 Ohm/Km**

Temperature Range: **-25 °C / +80 °C**

ATTENUATION dB/100 m

50 MHz	7,2
100 MHz	10,5
200 MHz	22,2
400 MHz	27,6
500 MHz	33,9
600 MHz	37
860 MHz	51,6
1000 MHz	64,5

STRUCTURAL RETURN LOSS dB

30-300	MHz	>26
300-600	MHz	>25
600-2400	MHz	>23

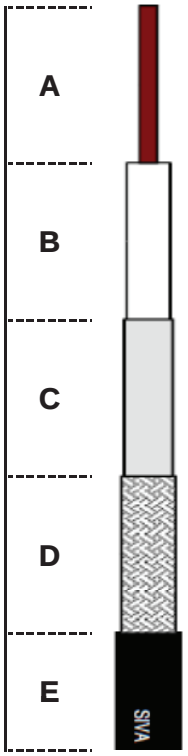
RG "low loss"50 Ohm Coaxial Cables

RF 240 LTA (P.Num.: 122837)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor	**CU**	**ø 1,40 mm**
B	Foam polyethylene dielectric	**PEE**	**ø 3,80 ± 0,10 mm**
C	Aluminium + polyester + aluminium tape shield LTA Percentage coverage	**LTA**	**100%**
D	Tinned copper outer conductor Percentage coverage	**CS**	**112 x 0,12 mm 80%**
E	Polyvinyl-chloride sheath	**PVC**	**ø 6,10 ± 0,10 mm**

Sheath's colour : **BLACK**



-Copper weight: **25,9Kg/Km**
-Cable weight: **52,6Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **80pF/m**

-Velocity ratio: **84%**

ATTENUATION dB/100 m

50 MHz	5,7
100 MHz	7,8
200 MHz	16,2
400 MHz	20
500 MHz	24,2
600 MHz	26
860 MHz	36
1000 MHz	43,1

SCREENING EFFECTIVENESS Db

100-900 MHz	>90	CLASS A
……-…… MHz		

STRUCTURAL RETURN LOSS dB

30-300 MHz	>28
300-600 MHz	>24
600-2400 MHz	>19

Inner conductor resistance: **11,5 Ohm/Km**

Outer conductor resistance: **14,5 Ohm/Km**

Temperature Range: **-30 °C/+70 °C**

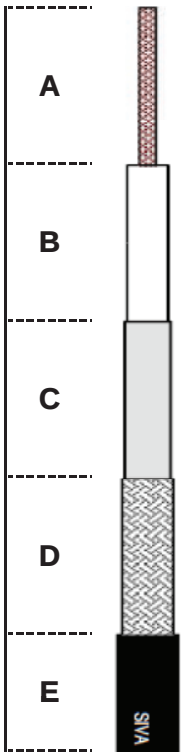
RG "low loss"50 Ohm Coaxial Cables

RF 8 LAP (P.Num.: 122848)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor	**CU**	**19 x 0,28 mm**
B	Foam polyethylene dielectric	**PEE**	**ø 3,90 ± 0,15 mm**
C	Aluminium + polyester + aluminium tape shield LTA Percentage coverage	**LTA**	**100%**
D	Tinned copper outer conductor Percentage coverage	**CS**	**128 x 0,10 mm 80%**
E	Polyvinyl-chloride sheath	**PVC**	**ø 6,10 ± 0,10 mm**

Sheath's colour : **BLACK**



-Copper weight: **20,8Kg/Km**
-Cable weight: **48,1Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **80pF/m**

-Velocity ratio: **80%**

ATTENUATION dB/100 m

50 MHz	7,3
100 MHz	9,8
200 MHz	19,7
400 MHz	24,9
500 MHz	30,1
600 MHz	32,7
860 MHz	45,8
1000 MHz	55,8

SCREENING EFFECTIVENESS Db

100-900 MHz	> 80	CLASS A
.....-..... MHz		

Inner conductor resistance: **15,5 Ohm/Km**

Outer conductor resistance: **19 Ohm/Km**

Temperature Range: **-30 °C/+70 °C**

STRUCTURAL RETURN LOSS dB

30-300 MHz	>26
300-600 MHz	>25
600-2400 MHz	>23

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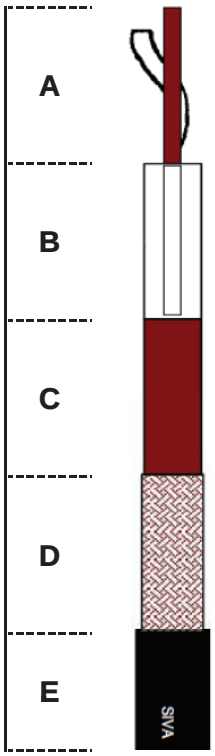
RG "low loss"50 Ohm Coaxial Cables

RH 100 (P.Num.: 122859)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor	**CU**	**ø 2,50 mm**
B	Foam polyethylene dielectric	**PEA**	**ø 6,90 ± 0,20 mm**
C	Copper + polyester tape shield Percentage coverage	**LRP**	**100%**
D	Plain copper outer conductor Percentage coverage	**CU**	**96 x 0,12 mm** **50%**
E	Polyvinyl-chloride sheath Sheath's colour : **BLACK**	**PVC**	**ø 9,70 ± 0,20 mm**



-Copper weight: **61Kg/Km**
-Cable weight: **128,4Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **80pF/m**

-Velocity ratio: **84%**

ATTENUATION dB/100 m

50 MHz	2,5
100 MHz	3,6
200 MHz	7,9
400 MHz	10
500 MHz	12,1
600 MHz	13,2
860 MHz	18,7
1000 MHz	22,2

SCREENING EFFECTIVENESS Db

100-900 MHz	> 75
……-…… MHz	

STRUCTURAL RETURN LOSS dB

30-300	MHz	>25
300-600	MHz	>22
600-2400	MHz	>18

Inner conductor resistance: **3,7 Ohm/Km**

Outer conductor resistance: **12,5 Ohm/Km**

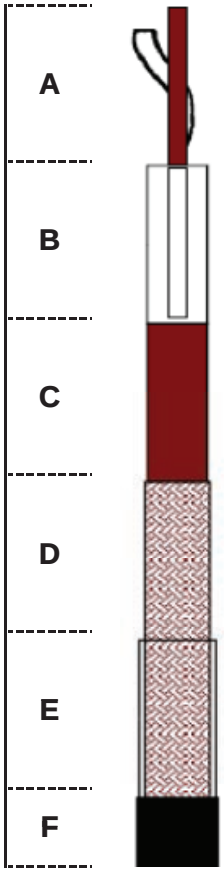
Temperature Range: **-30 °C/+70 °C**

RG "low loss"50 Ohm Coaxial Cables

RH 200 INT (P.Num.: 122870)

Technical Data

		MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor	**CU**		**ø 2,50 mm**
B	Foam polyethylene dielectric	**PEA**		**ø 6,90 ± 0,20 mm**
C	Copper + polyester tape shield Percentage coverage	**LRP**		**100%**
D	Plain copper outer conductor Percentage coverage	**CU**		**192 x 0,15 mm** **96%**
E	Non-migrating tape	**Pet**		**h=27mm**
F	Carbon black polyethylene sheath Sheath's colour : **BLACK**	**Pet**		**ø 10,3 ± 0,20 mm**



-Copper weight: **88,5Kg/Km**
-Cable weight: **148Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **80pF/m**

-Velocity ratio: **84%**

ATTENUATION dB/100 m

50 MHz	2,5
100 MHz	3,6
200 MHz	7,9
400 MHz	10
500 MHz	12,1
600 MHz	13,2
860 MHz	18,7
1000 MHz	22,2

SCREENING EFFECTIVENESS Db

100-900 MHz	> 85	CLASS A
……-…… MHz		

STRUCTURAL RETURN LOSS dB

30-300	MHz	>25
300-600	MHz	>22
600-2400	MHz	>18

Inner conductor resistance: **3,7 Ohm/Km**

Outer conductor resistance: **5,5 Ohm/Km**

Temperature Range: **-30 °C/+70 °C**

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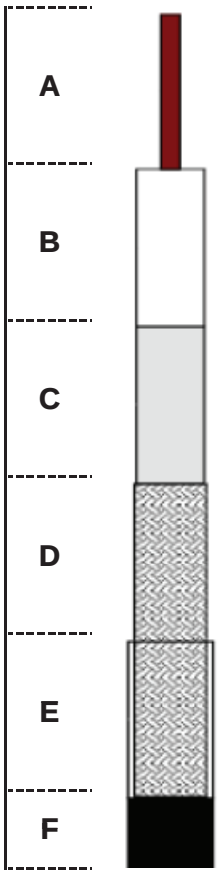
RG "low loss"50 Ohm Coaxial Cables

RF 400 LTA (P.Num.: 122881)

Technical Data

			DIMENSIONS
A	Plain copper inner conductor	**CU**	**ø 2,62 mm**
B	Gas injected foam polyethylene dielectric	**PEG**	**ø 7,20 ± 0,10 mm**
C	Aluminium+polyester+aluminium tape shield LTA Percentage coverage	**LTA**	**100%**
D	Tinned copper outer conductor Percentage coverage	**CS**	**128 x 0,15 mm** **70%**
E	Non-migrating tape	**Pet**	**h=27mm**
F	Carbon black polyethylene sheath	**PE**	**ø 10,3 ± 0,18 mm**

Sheath's colour : **BLACK**



-Copper weight: **71Kg/Km**
-Cable weight: **122,1Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **80pF/m**

-Velocity ratio: **84%**

ATTENUATION dB/100 m

50 MHz	2,5
100 MHz	3,6
200 MHz	7,9
400 MHz	10
500 MHz	12,1
600 MHz	13,2
860 MHz	18,7
1000 MHz	22,2

SCREENING EFFECTIVENESS Db

100-900 MHz	> 85	CLASS A
……-…… MHz		

STRUCTURAL RETURN LOSS dB

30-300	MHz	>29
300-600	MHz	>26
600-2400	MHz	>24

Inner conductor resistance: **3,2 Ohm/Km**

Outer conductor resistance: **7,5 Ohm/Km**

Temperature Range: **-40 °C/+75 °C**

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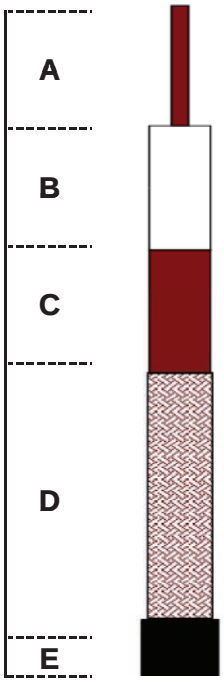
RG "low loss"50 Ohm Coaxial Cables

RF 400 LRP (P.Num.: 122892)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor	**CU**	**ø 2,62 mm**
B	Gas injected foam polyethylene dielectric	**PEG**	**ø 7,20 ± 0,10 mm**
C	Copper + polyester tape shield Percentage coverage	**LRP**	**100%**
D	Plain copper outer conductor Percentage coverage	**CU**	**96 x 0,15 mm** **56%**
E	Polyvinyl-chloride sheath	**PVC**	**ø 10,3 ± 0,18 mm**
	Sheath's colour : **BLACK**		



-Copper weight: **71,3Kg/Km**
-Cable weight: **137,7Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **80pF/m**

-Velocity ratio: **84%**

ATTENUATION dB/100 m

50 MHz	2,5
100 MHz	3,6
200 MHz	7,9
400 MHz	10
500 MHz	12,1
600 MHz	13,2
860 MHz	18,7
1000 MHz	22,2

SCREENING EFFECTIVENESS Db

100-900 MHz	> 80
.....-..... MHz	

STRUCTURAL RETURN LOSS dB

30-300 MHz	>29
300-600 MHz	>26
600-2400 MHz	>24

Inner conductor resistance: **3,2 Ohm/Km**

Outer conductor resistance: **12,7 Ohm/Km**

Temperature Range: **-30 °C/+70 °C**

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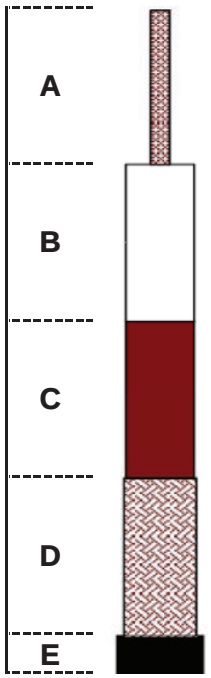
RG "low loss"50 Ohm Coaxial Cables

RF 8 LRP (P.Num.: 122903)

Technical Data

	MECHANICAL DATA		DIMENSIONS
A	Plain copper inner conductor	**CU**	**7 x 0,75 mm**
B	Low density polyethylene dielectric	**PE**	**ø 7,25 ± 0,18 mm**
C	Copper + polyester tape shield Percentage coverage	**LRP**	**100%**
D	Plain copper outer conductor Percentage coverage	**CU**	**128 x 0,10 mm** **57%**
E	Polyvinyl-chloride sheath Sheath's colour : **BLACK**	**PVC**	**ø 10,4 ± 0,18 mm**



-Copper weight: **45,3Kg/Km**
-Cable weight: **137,9Kg/Km**

ELECTRICAL PERFORMANCE

-Impedance: **50 ± 3 Ohm**

-Capacitance: **100pF/m**

-Velocity ratio: **66%**

SCREENING EFFECTIVENESS Db

100-900 MHz > 80
.....-..... MHz

Inner conductor resistance: **6 Ohm/Km**

Outer conductor resistance: **13 Ohm/Km**

Temperature Range: **-30 °C/+70 °C**

ATTENUATION dB/100 m

50 MHz	3,7
100 MHz	5,4
200 MHz	11,7
400 MHz	14,6
500 MHz	18,1
600 MHz	19,6
860 MHz	28,8
1000 MHz	35,1

STRUCTURAL RETURN LOSS dB

30-300	MHz	>30
300-600	MHz	>27
600-2400	MHz	>23