

RG "low loss"50 Ohm Coaxial Cables

RF 50 LTA (P.Num.: 122771)



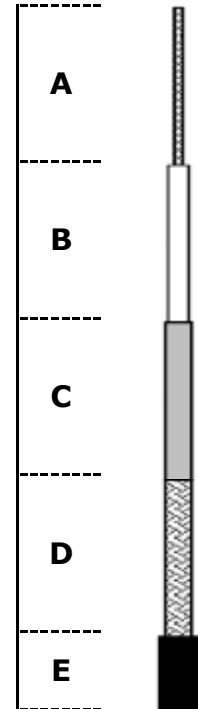
Technical Data

MECHANICAL DATA

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**

DIMENSIONS



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

ELECTRICAL PERFORMANCE

-Impedance:	50 ± 3 Ohm
-Capacitance:	95pF/m
-Velocity ratio:	75%

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

SCREENING EFFECTIVENESS Db

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

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	0 Ohm/Km	30-300 MHz	>24
Outer conductor resistance:	0 Ohm/Km	300-600 MHz	>21
		600-900 MHz	>15
Temperature Range:	-30 °C/+70 °C		

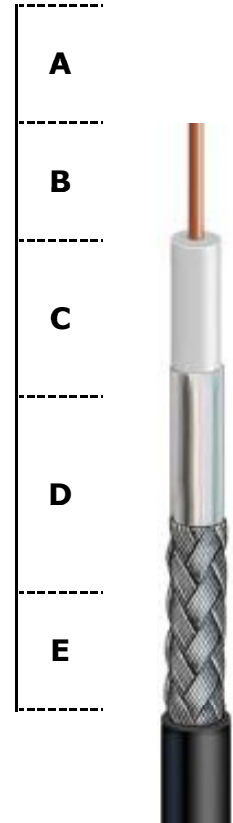
RG "low loss"50 Ohm Coaxial Cables

RF 195 LTA (P.Num.: 122782)

Technical Data



<u>MECHANICAL DATA</u>		<u>DIMENSIONS</u>	
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
-..... MHz A

STRUCTURAL RETURN LOSS dB

Inner conductor resistance: **25,2 Ohm/Km** 30-300 MHz >28
 Outer conductor resistance: **18,5 Ohm/Km** 300-600 MHz >24
 600-900 MHz >19
 Temperature Range: **-30 °C/+70 °C**

RG "low loss"50 Ohm Coaxial Cables

RF 58 LAP (P.Num.: 122793)



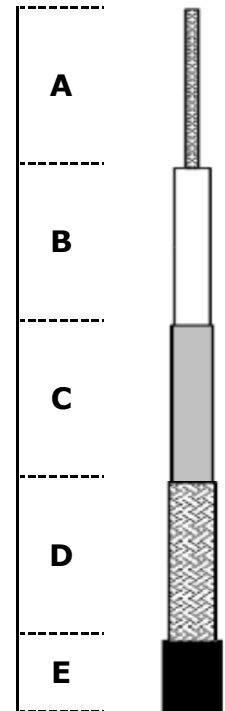
Technical Data

MECHANICAL DATA

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**

DIMENSIONS



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

ELECTRICAL PERFORMANCE

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

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

SCREENING EFFECTIVENESS Db

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

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	20,5 Ohm/Km	30-300 MHz	>28
Outer conductor resistance:	20 Ohm/Km	300-600 MHz	>24
		600-2400 MHz	>22
Temperature Range:	-30 °C/+70 °C		

RG "low loss" 50 Ohm Coaxial Cables

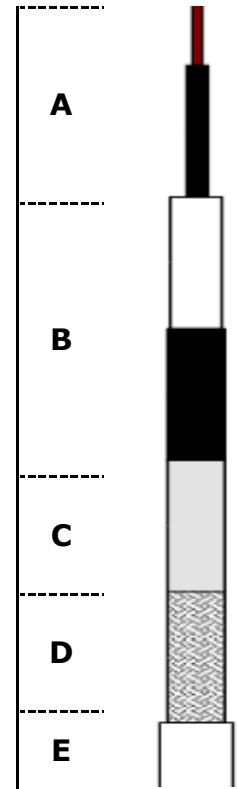
RF 58 LTA (P.Num.: 122804)



Technical Data

<u>MECHANICAL DATA</u>		<u>DIMENSIONS</u>	
A	Plain copper inner conductor + carbon black polyethylene	CU+PE	\varnothing 1,00 mm
B	Gas injected foam polyethylene dielectric+carbon black polyethylene	PEG+PE	\varnothing 2,95 \pm 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	\varnothing 5,00 \pm 0,10 mm

Sheath's colour : **WHITE RAL9003**



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

<u>ELECTRICAL PERFORMANCE</u>		<u>ATTENUATION dB/100 m</u>	
-Impedance:	50 \pm 3 Ohm	50 MHz	7,3
-Capacitance:	80pF/m	100 MHz	9,8
-Velocity ratio:	80%	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
.....-..... MHz

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	22,5 Ohm/Km	30-300 MHz	>30
Outer conductor resistance:	20,5 Ohm/Km	300-600 MHz	>26
		600-2400 MHz	>20
Temperature Range:	-30 °C/+70 °C		

RG "low loss" 50 Ohm Coaxial Cables

RF 58 LL (P.Num.: 122815)



Technical Data

MECHANICAL DATA

- A** Plain copper inner conductor
- B** Foam polyethylene dielectric
- C** Tinned copper outer conductor
Percentage coverage
- D** Polyvinyl-chloride sheath

CU

PEE

CU

PVC

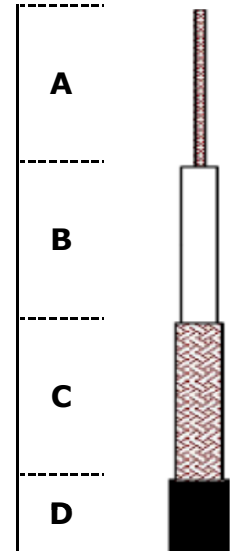
DIMENSIONS

7 x 0,50 mm

ø 3,80 ± 0,10 mm

144 x 0,12 mm
94%

ø 5,40 ± 0,10 mm



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

ELECTRICAL PERFORMANCE

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

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

SCREENING EFFECTIVENESS Db

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

STRUCTURAL RETURN LOSS dB

- Inner conductor resistance: **14 Ohm/Km**
- Outer conductor resistance: **11 Ohm/Km**
- Temperature Range: **-30 °C/+70 °C**

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

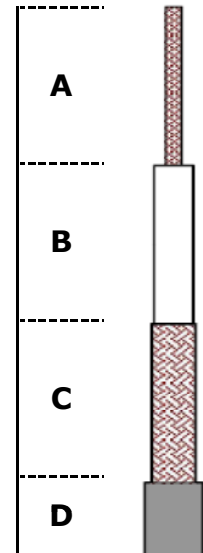
RG "low loss"50 Ohm Coaxial Cables

RF 8 MINI (P.Num.: 122826)



Technical Data

<u>MECHANICAL DATA</u>		<u>DIMENSIONS</u>	
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

<u>ELECTRICAL PERFORMANCE</u>		<u>ATTENUATION dB/100 m</u>	
-Impedance:	50 ± 3 Ohm	50 MHz	7,2
		100 MHz	10,5
-Capacitance:	80pF/m	200 MHz	22,2
		400 MHz	27,6
-Velocity ratio:	80%	500 MHz	33,9
		600 MHz	37
		860 MHz	51,6
		1000 MHz	64,5

SCREENING EFFECTIVENESS Db

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

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	15,5 Ohm/Km	30-300 MHz	>26
		300-600 MHz	>25
Outer conductor resistance:	14 Ohm/Km	600-2400 MHz	>23
Temperature Range:	-25 °C / +80 °C		

RG "low loss"50 Ohm Coaxial Cables

RF 240 LTA (P.Num.: 122837)



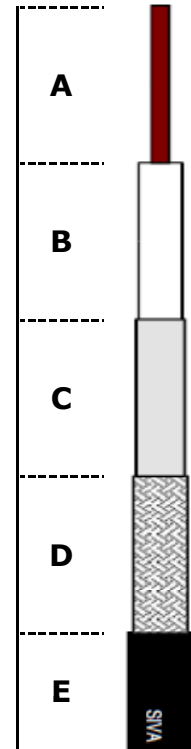
Technical Data

MECHANICAL DATA

A	Plain copper inner conductor	CU	∅ 1,40 mm
B	Foam polyethylene dielectric	PEE	∅ 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	∅ 6,10 ± 0,10 mm

Sheath's colour : **BLACK**

DIMENSIONS



-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
.....-..... MHz		A

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	11,5 Ohm/Km	30-300 MHz	>28
Outer conductor resistance:	14,5 Ohm/Km	300-600 MHz	>24
		600-2400 MHz	>19
Temperature Range:	-30 °C/+70 °C		

RG "low loss"50 Ohm Coaxial Cables

RF 8 LAP (P.Num.: 122848)



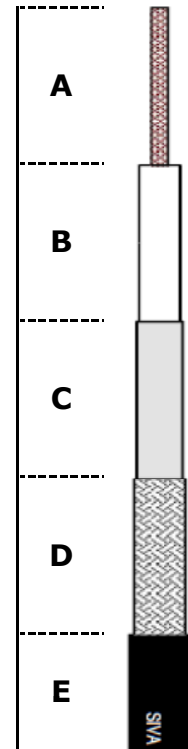
Technical Data

MECHANICAL DATA

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**

DIMENSIONS



-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
.....-..... MHz	A

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	15,5 Ohm/Km	30-300 MHz >26
Outer conductor resistance:	19 Ohm/Km	300-600 MHz >25
		600-2400 MHz >23
Temperature Range:	-30 °C/+70 °C	

RG "low loss"50 Ohm Coaxial Cables

RH 100 (P.Num.: 122859)



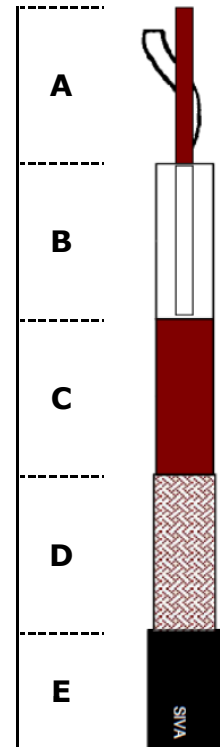
Technical Data

MECHANICAL DATA

A	Plain copper inner conductor	CU
B	Foam polyethylene dielectric	PEA
C	Copper + polyester tape shield	LRP
	Percentage coverage	100%
D	Plain copper outer conductor	CU
	Percentage coverage	50%
E	Polyvinyl-chloride sheath	PVC
	Sheath's colour : BLACK	

DIMENSIONS

ø 2,50 mm
ø 6,90 ± 0,20 mm
100%
96 x 0,12 mm
50%
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

Inner conductor resistance:	3,7 Ohm/Km	30-300 MHz	>25
Outer conductor resistance:	12,5 Ohm/Km	300-600 MHz	>22
		600-2400 MHz	>18
Temperature Range:	-30 °C/+70 °C		

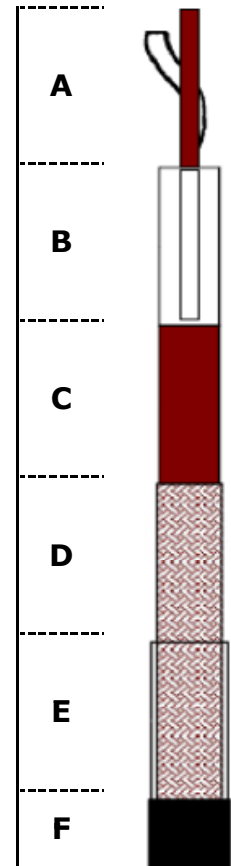
RG "low loss"50 Ohm Coaxial Cables

RH 200 INT (P.Num.: 122870)



Technical Data

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



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

ELECTRICAL PERFORMANCE

-Impedance:	50 \pm 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
.....-..... MHz	A

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	3,7 Ohm/Km	30-300 MHz	>25
		300-600 MHz	>22
Outer conductor resistance:	5,5 Ohm/Km	600-2400 MHz	>18

Temperature Range: **-30 °C/+70 °C**

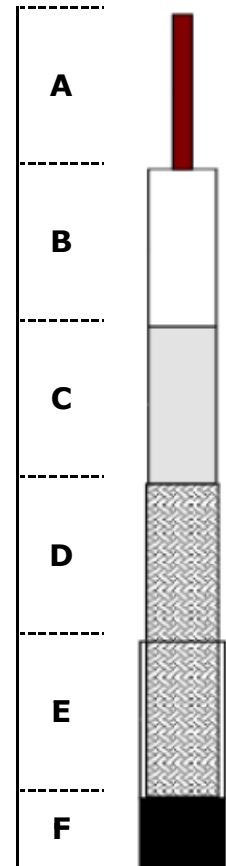
RG "low loss"50 Ohm Coaxial Cables

RF 400 LTA (P.Num.: 122881)



Technical Data

		<u>DIMENSIONS</u>	
A	Plain copper inner conductor	CU	\varnothing 2,62 mm
B	Gas injected foam polyethylene dielectric	PEG	\varnothing 7,20 \pm 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 Sheath's colour : BLACK	PE	\varnothing 10,3 \pm 0,18 mm



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

ELECTRICAL PERFORMANCE

-Impedance:	50 \pm 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
.....-..... MHz		A

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	3,2 Ohm/Km	30-300 MHz	>29
		300-600 MHz	>26
Outer conductor resistance:	7,5 Ohm/Km	600-2400 MHz	>24

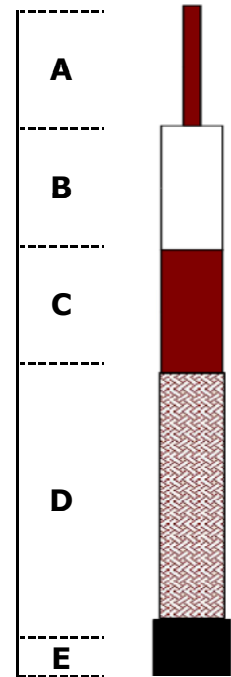
Temperature Range: **-40 °C/+75 °C**

RG "low loss"50 Ohm Coaxial Cables
RF 400 LRP (P.Num.: 122892)



Technical Data

<u>MECHANICAL DATA</u>		<u>DIMENSIONS</u>	
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	LRP	100%
	Percentage coverage		
D	Plain copper outer conductor	CU	96 x 0,15 mm
	Percentage coverage		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**

<u>ELECTRICAL PERFORMANCE</u>		<u>ATTENUATION dB/100 m</u>	
-Impedance:	50 ± 3 Ohm	50 MHz	2,5
		100 MHz	3,6
-Capacitance:	80pF/m	200 MHz	7,9
		400 MHz	10
-Velocity ratio:	84%	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

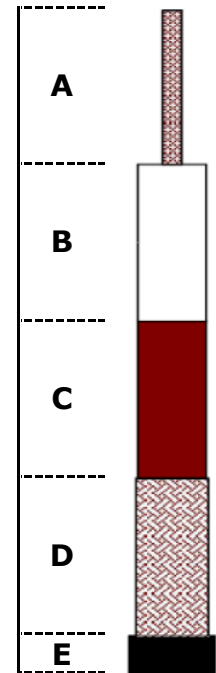
Inner conductor resistance:	3,2 Ohm/Km	30-300 MHz	>29
		300-600 MHz	>26
Outer conductor resistance:	12,7 Ohm/Km	600-2400 MHz	>24
Temperature Range:	-30 °C/+70 °C		

RG "low loss"50 Ohm Coaxial Cables
RF 8 LRP (P.Num.: 122903)



Technical Data

<u>MECHANICAL DATA</u>		<u>DIMENSIONS</u>	
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	LRP	100%
	Percentage coverage		
D	Plain copper outer conductor	CU	128 x 0,10 mm
	Percentage coverage		57%
E	Polyvinyl-chloride sheath	PVC	ø 10,4 ± 0,18 mm
	Sheath's colour : BLACK		



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

<u>ELECTRICAL PERFORMANCE</u>		<u>ATTENUATION dB/100 m</u>	
-Impedance:	50 ± 3 Ohm	50 MHz	3,7
		100 MHz	5,4
-Capacitance:	100pF/m	200 MHz	11,7
		400 MHz	14,6
-Velocity ratio:	66%	500 MHz	18,1
		600 MHz	19,6
		860 MHz	28,8
		1000 MHz	35,1

SCREENING EFFECTIVENESS Db

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

STRUCTURAL RETURN LOSS dB

Inner conductor resistance:	6 Ohm/Km	30-300 MHz	>30
		300-600 MHz	>27
Outer conductor resistance:	13 Ohm/Km	600-2400 MHz	>23
Temperature Range:	-30 °C/+70 °C		