

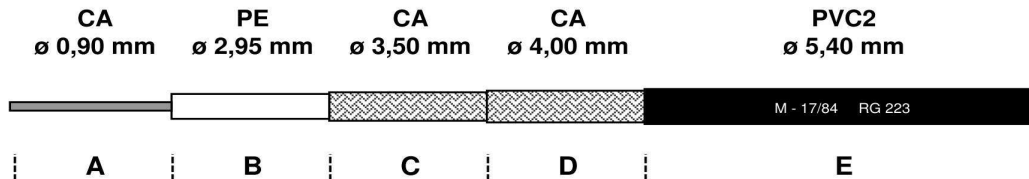
KOAX24 Litze24

KABELKONFEKTION

Bestellnummer / Ordernummer: 050242

RG 223 U

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS



MECHANICAL DATA

A	INNER CONDUCTOR	SILVERED COPPER	.....	\varnothing 0,90 ± 0,025 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	.....	\varnothing 2,95 ± 0,10 mm
C	1° BRAID	SILVERED COPPER	.....	112 x 0,13 mm
		- COVERAGE	.....	98%
D	2° BRAID	SILVERED COPPER	.....	112 x 0,13 mm
		- COVERAGE	.....	97%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE		\varnothing 5,40 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	M - 17/84 RG 223 MIL-C-17F RG 223 U 50 OHM		

MINIMUM BENDING RADIUS (mm)

- SINGLE	\varnothing EXTERNAL X 5
- REPEATED	\varnothing EXTERNAL X 10
TEMPERATURE RANGE	-30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER	38,5
- PLASTIC	21,4
- TOTAL	59,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCT.	28 Ohm/Km
- BRAID	8 Ohm/Km

TENSION

- SHEATH SPARK TESTING	3,5 kV
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ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,6	
10	MHz	3,7	
50	MHz	9,0	
100	MHz	13,0	
200	MHz	19,3	
400	MHz	28,1	

MAX. POWER RATING W

		dB	W
500	MHz	31,9	
600	MHz	35,3	
800	MHz	42,3	
1000	MHz	48,5	
1350	MHz	57,4	
1500	MHz	61,3	

		dB	W
1750	MHz	66,9	
2150	MHz	75,9	
2250	MHz	77,7	
2500	MHz	82,5	
2750	MHz	87,0	
3000	MHz	91,2	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>32	1000 ÷ 2000	MHz	>19
300 ÷ 600	MHz	>28	2000 ÷ 3000	MHz	>18
600 ÷ 1000	MHz	>23	..... ÷ .....	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>78
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

The producer reserves himself to make modification on the item without any notice.

Koax24 / Litze24 ist eine Marke der arnotec GmbH mit Sitz in Karlsruhe, Deutschland

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