



FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 214 SHF1

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

IN ACCORDANCE TO : IEC 60092-359 IEC 60332-1-2 IEC 60332-3-22/24

IEC 60754-1 IEC 60754-2 IEC 60811-3-1 IEC 61034-2



CA PE LTA CA CA LSZH
7 x 0,75 mm ø 7,25 mm ø 7,35 mm ø 8,00 mm ø 8,65 mm ø 10,80 mm



MECHANICAL DATA

A	INNER CONDUCTOR	SILVERED COPPER	7 x 0,75 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 7,25 ± 0,18 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 29 mm
	- COVERAGE		100%
D	BRAID	SILVERED COPPER	144 x 0,16 mm
	- COVERAGE		94%
E	BRAID	SILVERED COPPER	168 x 0,16 mm
	- COVERAGE		98%
F	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 10,80 ± 0,20 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## NEK KABEL SETT/ANNO RG 214 U MARINE SHF1 IEC 60332-3-22/24 CAT.A DNV SC..... CE	

MINIMUM BENDING RADIUS (mm)

- SINGLE ø EXTERNAL X 5
- REPEATED ø EXTERNAL X 10

TEMPERATURE RANGE

-40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER 119,7
- PLASTIC 87,3
- TOTAL 211,5

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCT. 6,0 Ohm/Km
- BRAID 4,0 Ohm/Km

TENSION

- SHEATH 5,5 kV
- SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,1	
10	MHz	1,5	
30	MHz	2,9	
50	MHz	3,8	
150	MHz	6,9	
220	MHz	8,4	

MAX. POWER RATING W

		dB	W
450	MHz	12,4	
600	MHz	14,5	
800	MHz	17,0	
900	MHz	18,3	
1000	MHz	19,6	
1500	MHz	24,7	

		dB	W
1800	MHz	27,6	
2000	MHz	29,6	
2500	MHz	33,9	
3000	MHz	37,8	
5200	MHz	-	
5800	MHz	-	

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>22	2000 ÷ 3000	MHz	>19
450 ÷ 1000	MHz	>20	3000 ÷ 4000	MHz	>18
1000 ÷ 2000	MHz	>19	4000 ÷ 5800	MHz	>17

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>100
900 ÷ 2000	MHz	>95
2000 ÷ 3000	MHz	>85

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