



FABBRICA CAVI - ANTENNE - ACCESSORI TV



RF 400 UF SHF1 - TYPE RG213



DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

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

CU 7 x 0,95 mm PEG ø 7,25 mm LRP ø 7,35 mm CU ø 8,00 mm LSZH ø 10,30 mm



A B C D E

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	7 x 0,95 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 7,25 ± 0,18 mm
C	SHIELD	COPPER + POLYESTER TAPE	h. 27 mm
	- COVERAGE		100%
D	BRAID	PLAIN COPPER	112 x 0,16 mm
	- COVERAGE		73%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 10,30 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## NEK KABEL SETT/ANNO RF 400 ULTRA FLEX MARINE SHF1 50 OHM 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 76,1
- PLASTIC 65,5
- TOTAL 141,6

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz 50 ± 3 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT. 4,0 Ohm/Km
- BRAID 7,4 Ohm/Km

TENSION

- SHEATH SPARK TESTING 5,5 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,1	7778
10	MHz	1,4	5500
30	MHz	2,2	3175
50	MHz	3,0	2460
150	MHz	5,0	1420
220	MHz	6,1	1173

MAX. POWER RATING W

		dB	W
450	MHz	9,0	820
600	MHz	10,7	710
800	MHz	12,4	615
900	MHz	13,2	580
1000	MHz	14,1	550
1500	MHz	17,4	449

		dB	W
1800	MHz	19,3	410
2000	MHz	20,5	389
2500	MHz	23,3	348
3000	MHz	25,8	318
5200	MHz	35,5	241
5800	MHz	37,7	228

STRUCTURAL RETURN LOSS dB

30 ÷ 450 MHz	>25	2000 ÷ 3000 MHz	>20
450 ÷ 1000 MHz	>24	3000 ÷ 4000 MHz	>19
1000 ÷ 2000 MHz	>21	4000 ÷ 5800 MHz	>18

SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz	>80
900 ÷ 2000 MHz	>70
2000 ÷ 3000 MHz	>60

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