



FABBRICA CAVI - ANTENNE - ACCESSORI TV



RG 59 FX SHF1



DOUBLE SCREENED 75 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 0,20 mm PE ø 3,70 mm LTA ø 3,80 mm CU ø 4,10 mm LSZH ø 6,20 mm



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	7 x 0,20 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	.....	ø 3,70 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE		h. 18 mm
		- COVERAGE	.....	100%
D	BRAID	PLAIN COPPER	.....	168 x 0,10 mm
		- COVERAGE	.....	91%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE		ø 6,20 ± 0,20 mm
		THERMOPLASTIC FREE OF HALOGENS		
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## NEK KABEL SETT/ANNO RG 59 FX MARINE SHF1		
		IEC 60332-3-22/24 CAT.A DNV SC..... CE		

MINIMUM BENDING RADIUS (mm)		CABLE WEIGHT (Kg/Km)
- SINGLE	ø EXTERNAL X 5	- COPPER 14,5
- REPEATED	ø EXTERNAL X 10	- PLASTIC 35,2
TEMPERATURE RANGE	-40 °C / +80 °C	- TOTAL 51,4

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE
CAPACITANCE	67 pF/m	- INNER CONDUCT. 82,0 Ohm/Km
VELOCITY RATIO	66%	- BRAID 10,0 Ohm/Km
		TENSION
		- SHEATH 5,0 kV
		- SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,6	
10	MHz	3,3	
50	MHz	7,3	
100	MHz	10,8	
200	MHz	15,3	
400	MHz	21,9	

MAX. POWER RATING W

		dB	W
500	MHz	25,1	
600	MHz	27,4	
800	MHz	32,0	
1000	MHz	36,3	
1350	MHz	42,6	
1500	MHz	46,0	

		dB	W
1750	MHz	50,5	
2150	MHz	57,5	
2250	MHz	58,7	
2500	MHz	62,4	
2750	MHz	65,8	
3000	MHz	70,7	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>30	1000 ÷ 2000	MHz	>20
300 ÷ 600	MHz	>25	2000 ÷ 3000	MHz	>16
600 ÷ 1000	MHz	>22	..... ÷ .....	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>90
2000 ÷ 3000	MHz	>80

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