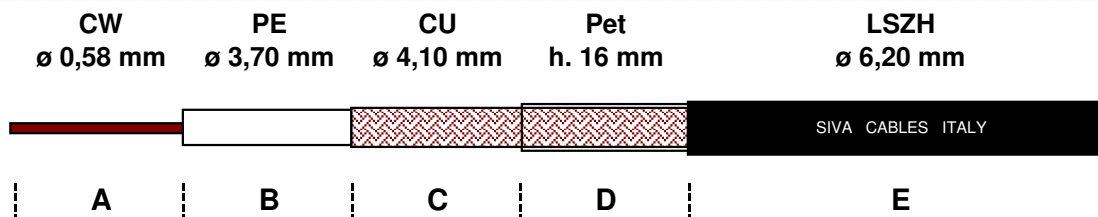


RG 059 BU-ZH

75 OHM RF COAXIAL CABLE

IN ACCORDANCE TO:

IEC 60332-1-2	FLAME PROPAGATION ON A SINGLE CABLE
IEC 60332-3-24C	FIRE PROPAGATION ON BUNCHED CABLES
IEC 61034-2	SMOKE DENSITY
IEC 60754-1	HCl EMISSION
IEC 60754-2	SMOKE CORROSIVITY



MECHANICAL DATA

A	INNER CONDUCTOR	COPPERWELD	$\varnothing 0,58 \text{ mm}$
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	$\varnothing 3,70 \pm 0,10 \text{ mm}$
C	BRAID	PLAIN COPPER	168 x 0,10 mm
		- COVERAGE	92%
D	NON-MIGRATING	POLYESTER TAPE	h. 16 mm
E	SHEATH	FLAME RETARDANT NON-CORROSIVE	$\varnothing 6,20 \pm 0,10 \text{ mm}$
		THERMOPLASTIC FREE OF HALOGENS	
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M17/29-RG59 MIL-C-17G RG 59 BU-ZH 75 Ohm LOW SMOKE HALOGEN FREE CE	

MINIMUM BENDING RADIUS (mm)

- **SINGLE** $\varnothing \text{ EXTERNAL X } 5$
- **REPEATED** $\varnothing \text{ EXTERNAL X } 10$

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 14,7
- **PLASTIC** 36,2
- **TOTAL** 51,2

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 \pm 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	154 Ohm/Km
CAPACITANCE	67 pF/m	- BRAID	13 Ohm/Km
VELOCITY RATIO	66%	TENSION	
		- SHEATH	5,0 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,3	
10	MHz	3,1	
50	MHz	7,4	
100	MHz	10,7	
200	MHz	15,7	
400	MHz	22,7	

MAX. POWER RATING W

		dB	W
500	MHz	25,7	
600	MHz	28,7	
800	MHz	33,6	
1000	MHz	38,0	
1350	MHz	45,6	
1500	MHz	48,5	

		dB	W
1750	MHz	53,5	
2150	MHz	60,9	
2250	MHz	62,1	
2500	MHz	66,8	
2750	MHz	69,6	
3000	MHz	72,7	

STRUCTURAL RETURN LOSS dB

30 \div 300	MHz	>31	1000 \div 2000	MHz	>18
300 \div 600	MHz	>28	2000 \div 3000	MHz	>14
600 \div 1000	MHz	>24 \div	MHz	-

SCREENING EFFECTIVENESS dB

100 \div 900	MHz	>57
900 \div 2000	MHz	-
2000 \div 3000	MHz	-

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