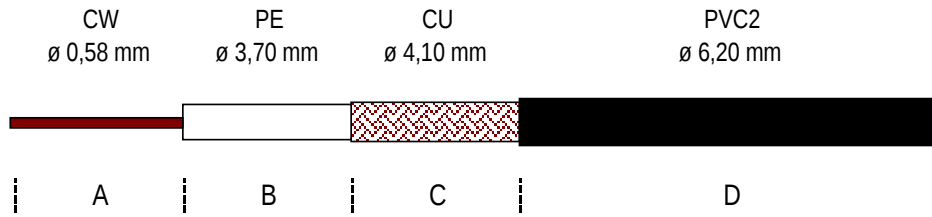


# RG 059 BU

75 OHM RF COAXIAL CABLE



Partnumber : 55010020

## MECHANICAL DATA

A	INNER CONDUCTOR	COPPERWELD	.....	ø 0,58 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	.....	ø 3,70 ± 0,10 mm
C	BRAID	PLAIN COPPER	.....	168 x 0,10 mm
		- COVERAGE	.....	92%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	ø 6,20 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		

MINIMUM BENDING RADIUS ( mm )

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

TEMPERATURE RANGE                   -30 °C / +70 °C

CABLE WEIGHT ( Kg/Km )

- COPPER                   14,7
- PLASTIC                 35,4
- TOTAL                   50,1

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE                               75 ± 3 Ohm

CAPACITANCE                            67 pF/m

VELOCITY RATIO                         66%

RESISTANCE

- INNER CONDUCTOR   154 Ohm/Km
- BRAID                 13 Ohm/Km

TENSION

- SHEATH               5,0 kV
- SPARK TESTING

ATTENUATIONS dB/100 m.

MAX. POWER RATING W

		dB	W
5	MHz	2,3	
10	MHz	3,1	
50	MHz	7,4	
100	MHz	10,7	
200	MHz	15,7	
300	MHz	19,4	

		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 ÷ 300	MHz	>31
300 ÷ 600	MHz	>28
600 ÷ 1000	MHz	>24

1000 ÷ 2000	MHz	>18
2000 ÷ 3000	MHz	>14
..... ÷ .....	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>57
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-



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