



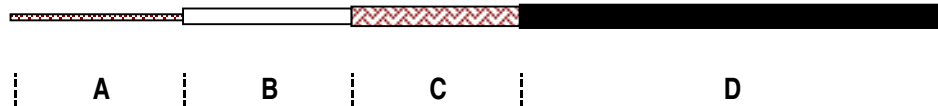
HALLEY CABLES

CABLES & WIRES



RG 174 UR 50 OHM RF COAXIAL CABLE

CU	PE	CU	PVC2
7 x 0,16 mm	ø 1,50 mm	ø 1,90 mm	ø 2,80 mm



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	7 x 0,16 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 1,50 ± 0,08 mm
C	BRAID	PLAIN COPPER	64 x 0,10 mm
		- COVERAGE	88%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 2,80 ± 0,13 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING		

MINIMUM BENDING RADIUS (mm)

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

TAMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER 6,1
- PLASTIC 6,6
- TOTAL 12,7

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 3 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCTOR 122 Ohm/Km
- BRAID 39 Ohm/Km

TENSION

- SHEATH SPARK TESTING 2,0 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	7,5	
10	MHz	9,6	
50	MHz	17,7	
100	MHz	26,0	
200	MHz	38,5	
300	MHz	47,7	

MAX. POWER RATING W

		dB	W
500	MHz	63,6	
600	MHz	69,2	
800	MHz	77,6	
1000	MHz	88,3	
1350	MHz	-	
1500	MHz	-	

		dB	W
1750	MHz	-	
2150	MHz	-	
2250	MHz	-	
2500	MHz	-	
2750	MHz	-	
3000	MHz	-	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>27	1000 ÷ 2000	MHz	-
300 ÷ 600	MHz	>23	2000 ÷ 3000	MHz	-
600 ÷ 1000	MHz	>21 ÷	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>52
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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