



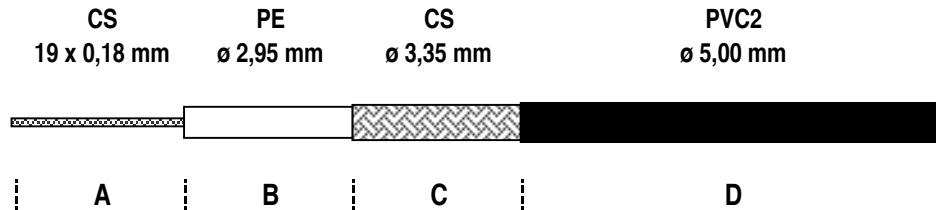
HALLEY CABLES

CABLES & WIRES



RG 58 CK

50 OHM RF COAXIAL CABLE



MECHANICAL DATA

A	INNER CONDUCTOR	TINNED COPPER	19 x 0,18 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 2,95 ± 0,10 mm
C	BRAID	TINNED COPPER - COVERAGE	96 x 0,10 mm 75%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,00 ± 0,10 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 11,5
- PLASTIC 22,2
- TOTAL 33,7

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 3 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCTOR 36,5 Ohm/Km
- BRAID 25 Ohm/Km

TENSION

- SHEATH SPARK TESTING 4,0 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,7	
10	MHz	4,1	
50	MHz	9,7	
100	MHz	14,0	
200	MHz	20,5	
300	MHz	25,5	

MAX. POWER RATING W

		dB	W
500	MHz	34,5	
600	MHz	38,3	
800	MHz	45,5	
1000	MHz	52,3	
1350	MHz	61,8	
1500	MHz	66,2	

		dB	W
1750	MHz	72,2	
2150	MHz	-	
2250	MHz	-	
2500	MHz	-	
2750	MHz	-	
3000	MHz	-	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>28
300 ÷ 600	MHz	>27
600 ÷ 1000	MHz	>25

1000 ÷ 2000	MHz	>20
2000 ÷ 3000	MHz	>18
..... ÷	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>53
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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