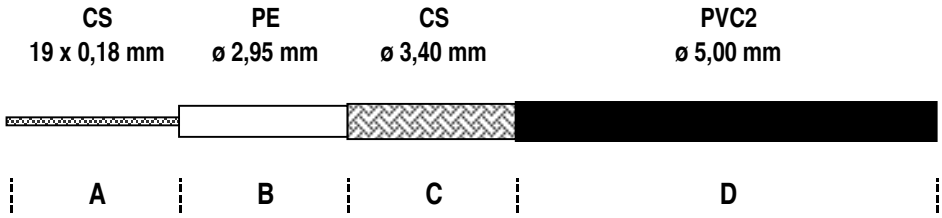
HALLEY CABLES

CABLES & WIRES

RG 58 CU Mil C-17

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH M17/28-RG058 MIL-C-17-G RG 58 CU 50 Ohm



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	**144 x 0,10 mm**
		- COVERAGE	**94%**
D	**SHEATH**	NON-CONTAMINATING POLYVINYL-CHLORIDE	**ø 5,00 ± 0,10 mm**
	- COLOUR	**BLACK - RAL 9004**	
	- PRINTING	**M17/28-RG058 MIL-C-17-G RG 58 CU 50 Ohm**	

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** 15,1
- **PLASTIC** 22,2
- **TOTAL** 37,3

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 3 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- **INNER CONDUCTOR** 36,5 Ohm/Km
- **BRAID** 15 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	13,9	
200	MHz	20,4	
300	MHz	25,3	

MAX. POWER RATING W

		dB	W
500	MHz	34,2	
600	MHz	37,9	
800	MHz	45,1	
1000	MHz	51,8	
1350	MHz	61,2	
1500	MHz	65,6	

		dB	W
1750	MHz	71,6	
2150	MHz	-	
2250	MHz	-	
2500	MHz	-	
2750	MHz	-	
3000	MHz	-	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>28	1000 ÷ 2000	MHz	>20	100 ÷ 900	MHz	>57
300 ÷ 600	MHz	>27	2000 ÷ 3000	MHz	>18	900 ÷ 2000	MHz	-
600 ÷ 1000	MHz	>25	..... ÷	MHz	-	2000 ÷ 3000	MHz	-

SCREENING EFFECTIVENESS dB

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