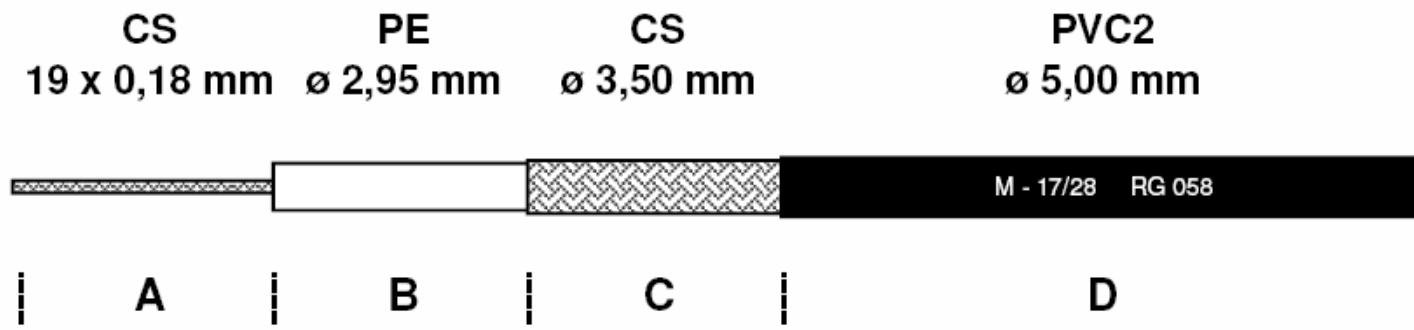


RG 58 CU

50 OHM RF COAXIAL CABLE
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS



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	112 x 0,13 mm
		- COVERAGE	95%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,00 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M - 17/028 RG 58 MIL-C-17F RG 58 CU 50 OHM	

MINIMUM BENDING RADIUS (mm)	CABLE WEIGHT (Kg/Km)
- SINGLE ø EXTERNAL X 5	- COPPER 18,7
- REPEATED ø EXTERNAL X 10	- PLASTIC 21,2
TEMPERATURE RANGE -30 °C / +70 °C	- TOTAL 39,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 2 Ohm	RESISTANCE	
		- INNER CONDUCT.	36,5 Ohm/Km
CAPACITANCE	100 pF/m	- BRAID	14 Ohm/Km
VELOCITY RATIO	66%	TENSION	
		- SHEATH	4,0 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.				MAX. POWER RATING W			
		dB	W			dB	W
5	MHz	2,7		500	MHz	34,2	
10	MHz	4,1		600	MHz	37,9	
50	MHz	9,7		800	MHz	45,1	
100	MHz	13,9		1000	MHz	51,8	
200	MHz	20,4		1350	MHz	61,2	
400	MHz	30,0		1500	MHz	65,6	
						1750	MHz
						2150	MHz
						2250	MHz
						2500	MHz
						2750	MHz
						3000	MHz

STRUCTURAL RETURN LOSS dB				SCREENING EFFECTIVENESS dB			
30 ÷ 300	MHz	>28		100 ÷ 2000	MHz	>20	
300 ÷ 600	MHz	>27		2000 ÷ 3000	MHz	>18	
600 ÷ 1000	MHz	>25		 ÷	MHz	-	
				100 ÷ 900	MHz	>57	
				900 ÷ 2000	MHz	-	
				2000 ÷ 3000	MHz	-	