PROFILANT

RG 058 CU-ZH

50 OHM RF COAXIAL CABLE

COMPLIANCE IEC 60754-1 IEC 60754-2 IEC 61034-2

Class CPR E_{ca}

CS	PE	CS	Pet	LSZH
19 x 0,18 mm	ø 2,95 mm	ø 3,40 mm	h. 16 mm	ø 5,00 mm

A	B	C	D	E

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	**NON-MIGRATING**	POLYESTER TAPE	**h. 16 mm**
E	**SHEATH**	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	**ø 5,00 ± 0,10 mm**
	- COLOUR	**BLACK - RAL 9004**	
	- PRINTING	**M17/28-RG058 MIL-C-17G RG 58 CU-ZH 50 Ohm LSZH**	
		MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

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** 15,1
- **PLASTIC** 23,0
- **TOTAL** 38,1

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 3 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- **INNER CONDUCT.** 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	
400	MHz	30,0	

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.