

RF 287 UF - GAS

DOUBLE SCREENED 50 OHM
RF COAXIAL CABLE

Class CPR **E_{ca}**

CU 7 x 0,65 mm PEG \varnothing 5,00 mm LRP \varnothing 5,10 mm CU \varnothing 5,60 mm PVC2 \varnothing 7,30 mm



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	7 x 0,65 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	\varnothing 5,00 \pm 0,10 mm
C	SHIELD	COPPER + POLYESTER TAPE	h. 18 mm
	- COVERAGE		100%
D	BRAID	PLAIN COPPER	120 x 0,12 mm
	- COVERAGE		72%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	\varnothing 7,30 \pm 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## RF 287 UF 50 OHM LOW LOSS FLEXIBLE CABLE 7x0,65/5,00/7,30	
		MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

MINIMUM BENDING RADIUS (mm)

- SINGLE \varnothing EXTERNAL X 5
- REPEATED \varnothing EXTERNAL X 10

TEMPERATURE RANGE

-30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER 34,7
- PLASTIC 34,3
- TOTAL 73,0

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 \pm 3 Ohm	RESISTANCE	
CAPACITANCE	80 pF/m	- INNER CONDUCT.	7,8 Ohm/Km
VELOCITY RATIO	80%	- BRAID	11,0 Ohm/Km
		TENSION	
		- SHEATH	4,0 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,5	3111
10	MHz	2,0	2200
30	MHz	3,3	1270
50	MHz	4,3	984
150	MHz	7,3	568
220	MHz	9,0	469

MAX. POWER RATING W

		dB	W
450	MHz	13,2	328
600	MHz	15,4	284
800	MHz	18,2	246
900	MHz	19,0	232
1000	MHz	20,3	220
1500	MHz	25,3	180

		dB	W
1800	MHz	28,0	164
2000	MHz	30,2	156
2500	MHz	33,5	139
3000	MHz	37,4	127
5200	MHz	51,9	96
5800	MHz	55,3	91

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>26	2000 ÷ 3000	MHz	>14
450 ÷ 1000	MHz	>20	3000 ÷ 4000	MHz	>13
1000 ÷ 2000	MHz	>16	4000 ÷ 5800	MHz	>12

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>80
900 ÷ 2000	MHz	>70
2000 ÷ 3000	MHz	>60

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