



RANGEFUL



RG 58 U

DOUBLE SCREENED 50 OHM
RF COAXIAL CABLE

Class CPR **E_{ca}**

CU ø 1,00 mm	PEE ø 2,95 mm	LTA ø 3,05 mm	CS ø 3,45 mm	PVC2 ø 5,00 mm
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	A		B		C		D		E	
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MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	ø 1,00 mm
B	DIELECTRIC	FOAM POLYETHYLENE	ø 2,95 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE		h. 12 mm
	-	COVERAGE	100%
D	BRAID	TINNED COPPER	96 x 0,10 mm
	-	COVERAGE	75%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE		ø 5,00 ± 0,10 mm
	-	COLOUR	BLACK - RAL 9004	
	-	PRINTING	## METER ## RANGEFUL RG58/U 50 OHM CU UV PVC LOW LOSS CABLE	
			CE WEEK/YEAR EN 50575:2014 + A1:2016 Eca MADE IN ITALY	

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** 14,2
- **PLASTIC** 18,3
- **TOTAL** 33,5

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 3 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 80%

RESISTANCE

- **INNER CONDUCT.** 22,5 Ohm/Km
- **BRAID** 20,5 Ohm/Km

TENSION

- **SHEATH** 4,0 kV

SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,6	2121
10	MHz	3,5	1500
30	MHz	5,8	866
50	MHz	7,5	671
150	MHz	12,2	387
220	MHz	14,8	320

MAX. POWER RATING W

		dB	W
450	MHz	21,6	224
600	MHz	25,2	194
800	MHz	29,5	168
900	MHz	31,3	158
1000	MHz	33,4	150
1500	MHz	42,0	122

		dB	W
1800	MHz	46,4	112
2000	MHz	49,4	106
2500	MHz	55,2	95
3000	MHz	60,8	87
5200	MHz	84,1	66
5800	MHz	89,5	62

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>22	2000 ÷ 3000	MHz	>17
450 ÷ 1000	MHz	>20	3000 ÷ 4000	MHz	>16
1000 ÷ 2000	MHz	>19	4000 ÷ 5800	MHz	>15

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.