

## Type RG 214 M17/075

MIL-C-17

Double screen

50Ω

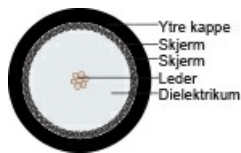
### Application

Halogenfree and flameretardant RF-cable for VHF/UHF equipment. Specification according to MIL-C-17/75.



### Construction

Conductor	Silvercoated Cu 7 x 0,75 [mm]
Dielectricum	Cellular PE Ø=7.25 ± 0,18 [mm]
Fire barrier each conductor	168 x 0,16 [mm]
Screen	Silvercoated Cu braid 96 [% optical coverage] 144 x 0,16 [mm]
Screen 2	Silvercoated Cu braid 98 [% optical coverage] 168 x 0,16 [mm]
Jacket	Black LSZH-compound
O.D.	10,8 ± 0,18 [mm]
Weight	208 [kg/km]



### Specifications

Screen resistance	3,1 [Ω/km]
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### Specifications Coax Cable

Temperature range	-30 - +70 [°C]
DC-resistance centre conductor	6 [Ω/km]
DC-resistance screen	3,1 [Ω/km]
Voltage rating	5,5 [kV]
Impedance	50 ± 2 [Ω]
Capacitance	100 [pF/m]
Attenuation	see table
Velocity factor	0,66
Min bending radius installed	5 [x outer diam.]
Min. bending flexible	10 [x outer diam.]

## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, 2
Material properties, insulation and sheath	IEC 60092-360
Flame retardant	CEI 20-35, IEC 60332-1
Smoke emission	IEC 61034



Part No.	1092201 trm. 250m, 1092386 snl. 100m, 1092389 trm. 500m
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## Structural return loss dB

MHz	dB
30 - 300	>31
300 - 600	>28
600 - 1000	>27
1000 - 2000	>24
2000 - 3000	>22

## Screening effectiveness IEC 61196-1

MHz	dB
100 - 900	>78

## Attenuation

Frequency (MHz)	Attenuation (dB/100m)
10	1,9
50	4,5
100	6,7
300	12,1
500	16,1
800	21,3
1000	24,3
1500	31,7
2150	40,5
2500	44,7
3000	51,3