

CAVI COASSIALI PER RADIOFREQUENZA 75 OHM A NORME MIL – SERIE RG
COAXIAL CABLES FOR RADIO-FREQUENCY SYSTEMS 75 OHM COMPLIANT WITH MIL STANDARDS – RG SERIES

POSA FISSA INTERNA – FIXED INSTALLATION (INDOOR ONLY)

ARTICOLO / ARTICLE codice / part number	M17/28 RG 58 0701001	M17/84 RG 223 0701005
 		
APPLICAZIONE/APPLICATION	impianti radio-frequenza a 50 OHM di impedenza (rif. norma MIL C-17) 50 OHM radio-frequency systems (ref.std. MIL C-17)	impianti radio-frequenza a 50 OHM di impedenza (rif. norma MIL C-17) 50 OHM radio-frequency systems (ref.std. MIL C-17)

CONSTRUZIONE / CONSTRUCTION

conduttore / conductor	CuSn - 19x0,18 mm Ø	CuAg - 1x0,90mm Ø
isolamento / insulation	PE Ø 2,95 mm	PE Ø 2,95 mm
schermatura / outer shielding	treccia in CuSn (k ≥ 95%) / CuSn braid (k ≥ 95%)	doppia treccia in CuAg (k ≥ 95 - 95%) / double CuAg braid (k ≥ 95 - 95%)
guaina esterna / outer jacket	PVC Ø 4,95 mm colore nero RAL9005 / black RAL9005	PVC Ø 5,38 mm colore nero RAL9005 / black RAL9005
peso indicativo / approx. weight	42 kg/km	62 kg/km

PROPRIETÀ ELETTRICHE E TRASMISSIVE [@ 20°C] / ELECTRICAL AND TRANSMITTING PROPERTIES [@ 20°C]

resistenza conduttore interno / inner conductor resistance	38 Ω/km	29 Ω/km																																											
resistenza schermatura / shield resistance	13,4 Ω/km	8,0 Ω/km																																											
capacità / capacitance	100 pF/m	103 pF/m																																											
velocità di propagazione / propagation velocity	67 %	67 %																																											
impedenza / impedance	50 (± 2) Ω	50 (± 2) Ω																																											
parametri trasmissivi / transmitting parameters	<table border="1"> <thead> <tr> <th>attenuation [dB/100m]</th> <th>SRL [dB]</th> </tr> </thead> <tbody> <tr><td>@ 50 MHz</td><td>10,9</td><td>> 30</td></tr> <tr><td>@ 200 MHz</td><td>23,3</td><td>> 28</td></tr> <tr><td>@ 400 MHz</td><td>34,1</td><td>> 28</td></tr> <tr><td>@ 862 MHz</td><td>53,1</td><td>> 26</td></tr> <tr><td>@ 1000 MHz</td><td>58,0</td><td>> 26</td></tr> </tbody> </table>	attenuation [dB/100m]	SRL [dB]	@ 50 MHz	10,9	> 30	@ 200 MHz	23,3	> 28	@ 400 MHz	34,1	> 28	@ 862 MHz	53,1	> 26	@ 1000 MHz	58,0	> 26	<table border="1"> <thead> <tr> <th>attenuation [dB/100m]</th> <th>SRL [dB]</th> </tr> </thead> <tbody> <tr><td>@ 50 MHz</td><td>9,8</td><td>> 30</td></tr> <tr><td>@ 200 MHz</td><td>20,6</td><td>> 28</td></tr> <tr><td>@ 400 MHz</td><td>28,6</td><td>> 28</td></tr> <tr><td>@ 862 MHz</td><td>45,9</td><td>> 27</td></tr> <tr><td>@ 1000 MHz</td><td>49,9</td><td>> 26</td></tr> <tr><td>@ 1750 MHz</td><td>70,9</td><td>> 25</td></tr> <tr><td>@ 2150 MHz</td><td>80,2</td><td>> 25</td></tr> <tr><td>@ 3000 MHz</td><td>97,6</td><td>> 24</td></tr> </tbody> </table>	attenuation [dB/100m]	SRL [dB]	@ 50 MHz	9,8	> 30	@ 200 MHz	20,6	> 28	@ 400 MHz	28,6	> 28	@ 862 MHz	45,9	> 27	@ 1000 MHz	49,9	> 26	@ 1750 MHz	70,9	> 25	@ 2150 MHz	80,2	> 25	@ 3000 MHz	97,6	> 24
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potenza massima ammissa / maximum power applicable	200 W @ 100 MHz 90 W @ 400 MHz 55 W @ 1000 MHz	86 W @ 400 MHz 50 W @ 1000 MHz 25 W @ 3000 MHz																																											

ALTRE PROPRIETÀ / OTHER PROPERTIES

temperatura di funzionamento / operating temperature range	-20°C / +80°C	-20°C / +80°C
raggio min. di piegatura / min. bending radius	10 × Ø esterno cavo 10 × outer cable Ø	10 × Ø esterno cavo 10 × outer cable Ø
standard di riferimento / reference standard	• MIL C 17 • IEC 61196-1 • CEI 20-52 • CEI UNEL 36762	• MIL C 17 • IEC 61196-1 • CEI 20-52 • CEI UNEL 36762
coesistenza / installation with energy cables	• ammissa con cavi per sistemi di I categoria aventi marcatura 450/750 V e 0,6/1 kV utilizzati per sistemi a tensione nominale verso terra (Uo) fino a 400 V / suitable for installation with 450/750V and 0,6/1kV energy cables	
imballi disponibili / packaging	<ul style="list-style-type: none"> • 100m (matassa / coils) • 1000m (bobina / drums) • su richiesta / on request 500m (bobina / drums) 	<ul style="list-style-type: none"> • 100m (matassa / coils) • 1000m (bobina / drums) • su richiesta / on request 500m (bobina / drums)