



CONSTRUCTIVE DATA

Inner conductor of copper clad steel	(FeCu)	Ø 0,58 mm
Dielectric of solid polyethylene	(PE)	Ø 3,70 mm
Braid of annealed copper litz wires	(Cu)	Ø
Braid optical coverage (IEC 96-1)		94 %
Outer sheath of Thermoplastic material black halogen-free, flame retardant and UV-resistant (Q8)	(LSZH)	Ø 0 6.15 ± 0.10 mm
printed each meter by yellow ink-jet :	---	

CAVEL RG59B/U LSZH MIL-C-17 75 Ohm

MECHANICAL PARAMETERS

Weight of copper conductors	20,10	kg/km
Total weight of cable	54,20	kg/km
Minimum bending radius (single/repeated bending)	30/60	mm
Max. cable pulling strength	200	N

ELECTRICAL PARAMETERS

Characteristic impedance (@ 200 MHz)	75,00 ± 3,00	Ohm
Capacitance (@1kHz)	66,00 ± 2,00	pF/m
Velocity factor	66 %	
Inner conductor resistance	158,0	Ohm/km
Outer conductor resistance	11,0	Ohm/km
loop Resistance	169,0	Ohm/km
Insulation voltage of the sheath (spark test)	3,0	Kv
Standard:	MIL-C-17	

-Attenuation-

Frequency (MHz)	50	200	300	470	862	1000
dB/100m	7.70	16.00	19.90	25.40	35.30	38.70

Structural return loss (SRL)

30 - 300 MHz	>28 dB
300 - 600 MHz	>25 dB
600 - 1000 MHz	>23 dB

Transfer impedance

5 - 30 MHz	15 mOhm/m
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Screening attenuation (SA)

30 - 1000 MHz	>55 dB
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Max. power

100 MHz	300	W
400 MHz	135	W
1000 MHz	75	W





Attenuazione di schermatura / Screening Attenuation

Cavo tipo / Cable type : RG 59 B/U ZH

Data / Date : 03-10-2006

