

Halogen free, low smoke emission and UV resistant
coaxial cable - 75 Ohm
Security sheath of LSZH material (Screening Class A)



MINI1/5ZH

Constructive Data

Inner conductor of copper clad steel	(FeCu)	Ø 0,41 mm
Dielectric of physical foam polyethylene	(PEG)	Ø 1,90 mm
Aluminium/Polyester/Aluminium/Surlyne tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Al/Sur)	
Braid of tinned copper wires	(CuSn)	Ø
Braid optical coverage (IEC 96-1)		70 %
Outer sheath of Thermoplastic material grey (RAL 7001) halogen-free, flame retardant and UV-resistant (Q8)	(LSZH)	Ø 0 3,60 ± 0,10 mm
printed each meter by black ink-jet :	---	

CAVEL DKT MINI 1 - - - - 5 ZH

Mechanical Parameters

Weight of copper conductors	4,30	kg/km
Total weight of cable	16,00	kg/km
Minimum bending radius (single/repetead bending)	15/30	mm
Max. cable pulling strenght	120	N

Electrical Parameters

Characteristic impedance (@ 200 MHz)	75,00 ± 3,00	Ohm
Capacitance (@1kHz)	55,00 ± 3,00	pF/m
Velocity factor	82 %	
Inner conductor resistance	310,0	Ohm/km
Outer conductor resistance	30,0	Ohm/km
loop Resistance	340,0	Ohm/km
Insulation voltage of the sheath (spark test)	2,5	kV
Comply to the Standard:	EN50117-2-5	

-Attenuation-

Frequency (MHz)	5	10	30	50	200	300	470	862	1000	1750	2150	2400	3000
dB/100m	3,80	5,40	8,20	10,60	20,90	25,60	32,50	44,30	47,80	64,20	71,60	74,30	85,80

Structural return loss (SRL)

5 - 470 MHz	>29 dB
470 - 1000 MHz	>27 dB
1000 - 2000 MHz	>22 dB
2000 - 3000 MHz	>18 dB

Transfer impedance

5 - 30 MHz	0,5 mOhm/m
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Screening attenuation (SA)

30 - 1000 MHz	>90 dB
1000 - 2000 MHz	>90 dB
2000 - 3000 MHz	>80 dB

