

Description

Outdoor drop coaxial cable - 75 Ohm
 Outdoor installation cable (Screening Class A)



Data Sheet

DBF100



1,00 (Cu)	4,75 (PEG)	4,85 (Cu/Pet)	5,33 (Cu)	7,50 (PE)	7,90 (PE/PP)
--------------	---------------	------------------	--------------	--------------	-----------------

Constructive data

Inner conductor of plain copper	(Cu)	1,00 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	4,75 ± 0,15	mm
Water repellent sealing (dielectric)	(Jelly1)		
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)		
Braid of annealed copper wires	(Cu)		
Braid optical coverage (IEC 96-1)		53 %	
Diameter under Sheath		5,33	mm
Inner sheath of Polyethylene green (RAL 6018) UV resistant (Q5)	(PE)	7,50 ± 0,15	mm
Outer sheath of Polyethylene/Polypropylene blend - green (RAL 6018) - Polyethylene (Q5) + Polypropylen	(PE/PP)	7,90 ± 0,15	mm

Printed each meter by yellow ink-jet :

CAVEL DBF 100 CAI 0019G Acc. to RoHS Dir. week ss/aa ITALIANA CONDUTTORI SRL - m

(ss=week, aa=year) (m=meter marking)

Electrical data

Characteristic impedance (@ 200 MHz)	75 ± 3	Ohm
Capacitance (@1kHz)	54 ± 2	pF/m
Velocity factor	82 %	
Outer conductor resistance	15,80	Ohm/km
Loop resistance	38,30	Ohm/km
Insulation voltage of the sheath (spark test)	8	kV
Maximum current (Ieff)	6,00	A

Structural return loss (SRL)	
5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>26 dB
2000 - 3000 MHz	>22 dB

Screening attenuation (SA)	Transfer impedance
30 - 1000 MHz	5 - 30 MHz < 0,6 mOhm/m
1000 - 2000 MHz	
2000 - 3000 MHz	

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
 Tel +39-382.815150 Fax +39-0382.814212

Date

04/02/2011

Responsible

PierPaolo Piccinini

Description

Outdoor drop coaxial cable - 75 Ohm

Outdoor installation cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

DBF100

Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,50	862	18,20
10	2,10	1000	19,80
30	3,20	1750	26,90
50	4,10	2150	30,00
200	8,40	2400	31,70
300	10,30	3000	36,50
470	13,20		

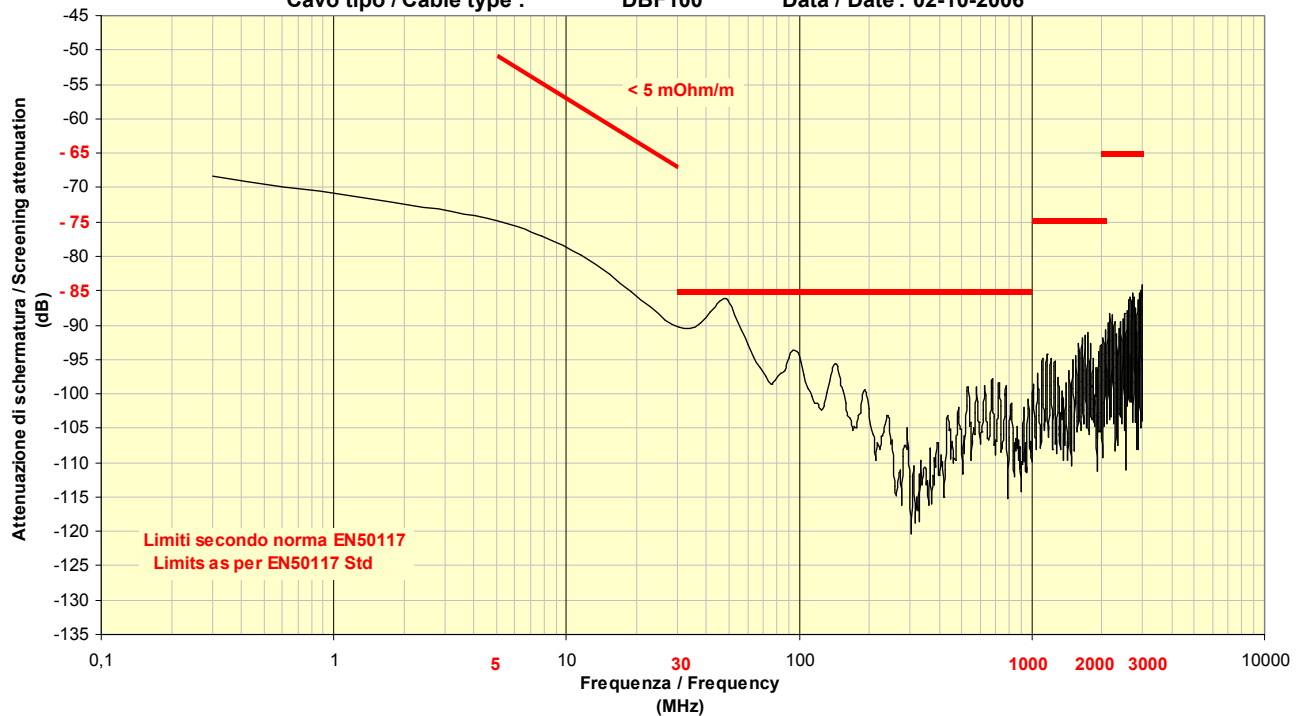
Mechanical data

Weight of copper conductors	19,40	kg/km
Total weight of cable	52,50	kg/km
Minimum bending radius (single/repetead bending)	70	mm
Max. cable pulling strenght	150	N

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : DBF100 Data / Date : 02-10-2006



ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

Date

04/02/2011

Responsible

PierPaolo Piccinini