

## Description

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



## Data Sheet

DBF125



1,25 (Cu)	5,35 (PEG)	5,45 (Cu/Pet)	6,05 (Cu)	9,20 (PE)	9,60 (PE/PP)
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## Constructive data

Inner conductor of plain copper	(Cu)	1,25 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	5,35 ± 0,10	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)		48 %	
Tracer Identifier	Year + Flag		mm
Diameter under Sheath		6,05	mm
Inner sheath of Polyethylene green (RAL 6018) UV resistant (Q5)	(PE)	9,20 ± 0,15	mm
Outer sheath of Polyethylene/Polypropylene blend - green (RAL 6018) - Polyethylene (Q5) + Polypropylene	(PE/PP)	9,60 ± 0,15	mm

Printed each meter by black ink-jet :

**CAVEL DBF 125 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)	52 ± 2	pF/m
Velocity factor	85 %	
Outer conductor resistance	12,50	Ohm/km
Loop resistance	26,50	Ohm/km
Insulation voltage of the sheath (spark test)	8	kV
Maximum current (Ieff)	10,00	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)

30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>80 dB
2000 - 3000 MHz	>65 dB

## Transfer impedance

5 - 30 MHz < 0,6 mOhm/m

## ITALIANA CONDUTTORI s.r.l.

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

## Date

08/09/2008

## Responsible

PierPaolo Piccinini

## Description

Outdoor drop coaxial cable - 75 Ohm

Outdoor installation cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

DBF125

Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,30	862	15,30
10	1,80	1000	16,70
30	2,70	1750	22,70
50	3,50	2150	25,20
200	7,10	2400	27,10
300	8,70	3000	30,90
470	11,00		

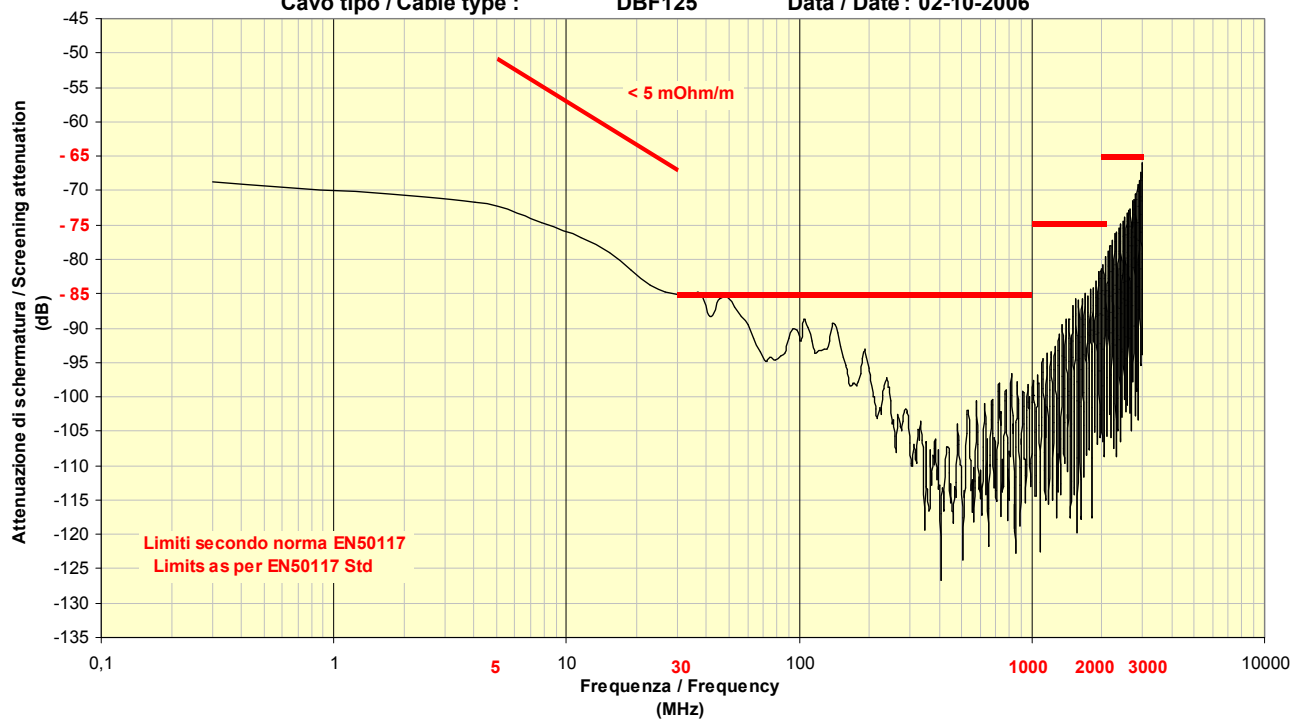
## Mechanical data

Weight of copper conductors	26,00	kg/km
Total weight of cable	75,00	kg/km
Minimum bending radius (single/repetead bending)	75	mm
Max. cable pulling strenght	250	N

## Attenuazione di schermatura / Screening Attenuation

## Cavo classe A / A Class Cable

Cavo tipo / Cable type : DBF125 Data / Date : 02-10-2006



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