

Description

Distribution and trunk coaxial cable for burial installation - 75 Ohm
Underground installation cable (Screening Class A)



Data Sheet

DBF165



1,63 (Cu)	7,20 (PEG)	7,30 (Cu/Pet)	7,78 (Cu)	11,10 (PE)	11,50 (PE/PP)
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Constructive data

Inner conductor of plain copper	(Cu)	1,63 ± 0,03	mm
Dielectric of physical foam polyethylene	(PEG)	7,20 ± 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)		64 %	
Tracer Identifier	Year + Flag		mm
Diameter under Sheath		7,78	mm
Inner sheath of Polyethylene green (RAL 6018) UV resistant (Q5)	(PE)	11,10 ± 0,15	mm
Outer sheath of Polyethylene/Polypropylene blend - green (RAL 6018) - Polyethylene (Q5) + Polypropylene	(PE/PP)	11,50 ± 0,15	mm

Printed each meter by black ink-jet :

CAVEL DBF 165 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 ± 2	Ohm
Capacitance (@1kHz)	52 ± 2	pF/m
Velocity factor	85 %	
Outer conductor resistance	9,50	Ohm/km
Loop resistance	18	Ohm/km
Insulation voltage of the sheath (spark test)	8	kV
Maximum current (I _{eff})	16,00	A

Structural return loss (SRL)

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>23 dB
2000 - 3000 MHz	>20 dB

Screening attenuation (SA)

30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>95 dB
2000 - 3000 MHz	>85 dB

Transfer impedance

5 - 30 MHz < 0,5 mOhm/m

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Tel +39-382.815150 Fax +39-0382.814212

Date

08/09/2008

Responsible

PierPaolo Piccinini

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Underground installation cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,10	862	11,50
10	1,50	1000	12,40
30	1,90	1750	17,10
50	2,50	2150	19,20
200	5,30	2400	20,40
300	6,50	3000	23,30
470	8,30		

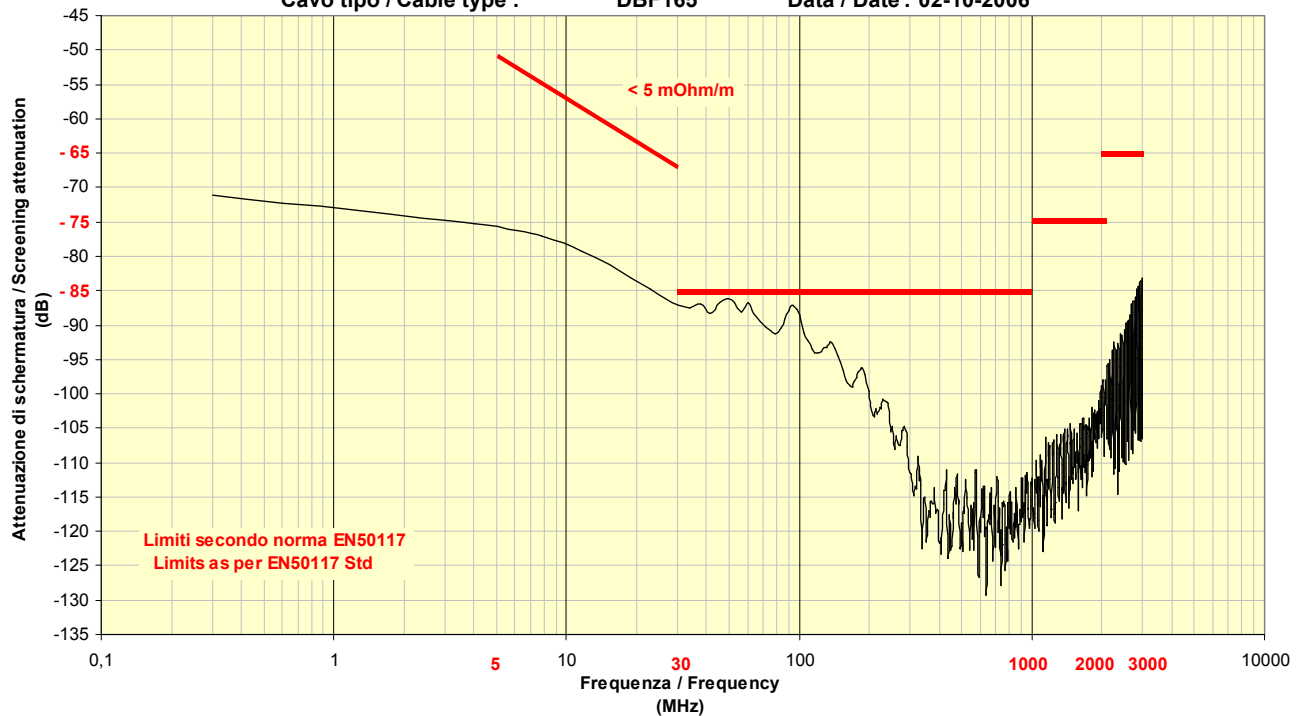
Mechanical data

Weight of copper conductors	40,60	kg/km
Total weight of cable	107,00	kg/km
Minimum bending radius (single/repetead bending)	100	mm
Max. cable pulling strenght	300	N

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : DBF165 Data / Date : 02-10-2006



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