

CONSTRUCTIVE DATA

Inner conductor of plain copper	(Cu)	Ø 1,63 mm
Dielectric of physical foam polyethylene	(PEG)	Ø 7,20 mm
Water repellent sealing (dielectric)	(Jelly1)	
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)	
Braid of annealed copper litz wires	(Cu)	Ø
Braid optical coverage (IEC 96-1)		64 %
Tracer Identifier	Year + Flag	
Inner sheath of Polyethylene green (RAL 6018) UV resistant (Q5)	(PE)	Ø 11.10 ± 0.15 mm
Outer sheath of Polyethylene/Polypropylene blend green (RAL 6018)	(PE/PP)	Ø 0 11.50 ± 0.15 mm
Polyethylene (Q5) + Polypropylen		
printing each meter by black ink-jet :	(ss=week, aa=year) (m=meter marking)	

CAVEL DBF 165 Acc.to RoHS Dir. week ss/aa ITALIANA CONDUTTORI SRL - m

MECHANICAL PARAMETERS

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

ELECTRICAL PARAMETERS

Characteristic impedance (@ 200 MHz)	75,00 ± 2,00	Ohm
Capacitance (@1kHz)	52,00 ± 2,00	pF/m
Velocity factor	85 %	
Inner conductor resistance	8,5	Ohm/km
Outer conductor resistance	9,5	Ohm/km
loop Resistance	18,0	Ohm/km
Maximum current (Ieff)	16	A
Insulation voltage of the sheath (spark test)	8	kV
Conforme alla norma:	---	

Attenuation

Frequency (MHz)	5	10	30	50	200	300	470	862	1000	1750	2150	2400	3000
dB/100m	1.10	1.50	2.20	2.80	5.60	6.90	8.80	12.30	13.20	17.90	20.10	21.00	24.50

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)

5 - 30 MHz	< 0,5 mOhm/m
30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>95 dB
2000 - 3000 MHz	>85 dB



Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : CATV 11

Data / Date : 02-10-2006

