

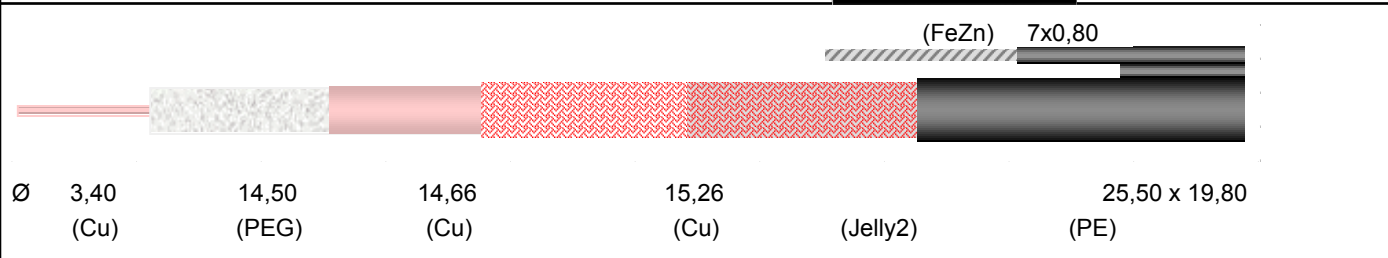
Description

Distribution and trunk coaxial cable with messenger rope - 75 Ohm
 Outdoor cable for hung-up installation (Screening Class A+)



Data Sheet

34/145AP



Construction data

Inner conductor of plain copper	(Cu)	3,40 ± 0,10 mm
Dielectric of physical foam polyethylene	(PEG)	14,50 ± 0,15 mm
Water repellent sealing (dielectric)	(Jelly1)	
Copper tape longitudinally overlapped	(Cu)	
Braid of annealed copper wires	(Cu)	
Braid optical coverage (IEC 96-1)		61 %
Tracer Identifier	Year + Flag	
Water repellent sealing (sheath)	(Jelly2)	
Diameter under Sheath		15,26 mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	25,50 x 19,80 ± 0,20 mm
Messenger rope of zinc-plated steel	(FeZn)	7x0,80 mm

Printed each meter by yellow ink-jet :

CAVEL 3.4/14.5 AP MADE IN ITALY 75 Ohm EN50117-2-3 ss/aa m

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

Messenger Maximum tensile strength	500,00 kg
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Electrical data

Characteristic impedance	200 MHz	75 ± 2	Ohm
Capacitance (@1kHz)		53 ± 2	pF/m
Velocity Factor		85 %	
Inner conductor resistance		2,10	Ohm/km
Outer conductor resistance		2,60	Ohm/km
Loop resistance		4,70	Ohm/km
Insulation voltage of the sheath (spark test)		12	kV
Maximum current (I _{eff})		34	A

Structural return loss (SRL)	
5 - 470 MHz	>25 dB
470 - 1000 MHz	>24 dB
1000 - 2000 MHz	>21 dB
2000 - 3000 MHz	>20 dB

Screening Attenuation (SA)		Transfer impedance
30 - 1000 MHz	>95 dB	5 - 30 MHz < 2,5 mOhm/m
1000 - 2000 MHz	>85 dB	
2000 - 3000 MHz	>80 dB	

ITALIANA CONDUTTORI s.r.l.

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

Date

18/04/2013

Responsible

PierPaolo Piccinini

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Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	0,50	862	6,40
10	0,70	1000	6,90
30	1,10	1750	9,40
50	1,40	2150	10,60
200	2,90	2400	11,50
300	3,60	3000	13,30
470	4,60		

Mechanical data

Weight of copper conductors	153,52	kg/km	
Total weight of cable	370,55	kg/km	
Minimum bending radius (single/repeated bending)	250	mm	
Maximum cable pulling strength	1.200	N	
Fire Load	8.640	MJ/km	2.400 kWh/km

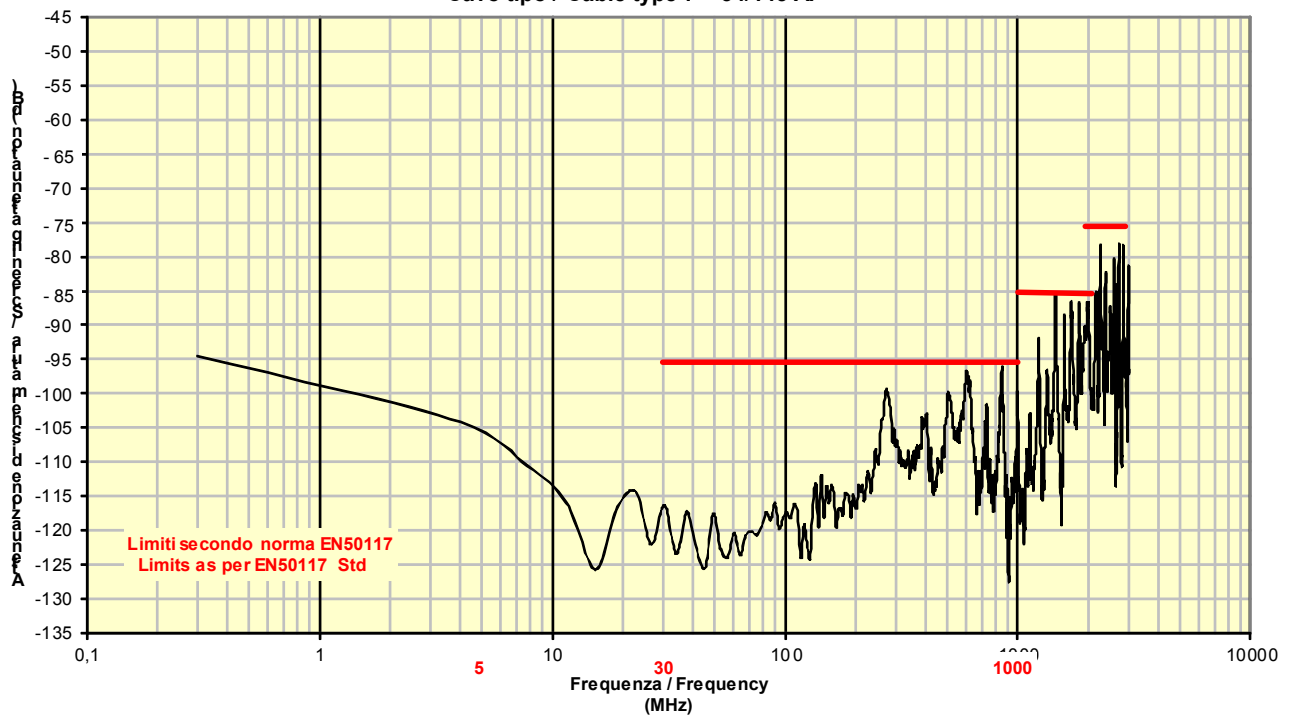
Standards

EN 50117-2-3

Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable

Cavo tipo / Cable type : 34/145 AP



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**Data Sheet****34/145AP****Connector**

FM-46	Series F, male, for outdoor and underground installation, nitin-plated brass - 76,0 mm x 31,0 mm
IEC14M-46	Series IEC (no tool), male, for outdoor and underground installation, nitin-plated brass - 84,0 mm x 31,0 mm
5/8MU-46	Serie 5/8", male, for outdoor and underground installation, nitin-plated brass - 84,0 mm x 31,0 mm
3,5/12M-46	Serie 3,5/12", male, for outdoor and underground installation, nitin-plated brass - 84,0 mm x 30,0 mm

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