

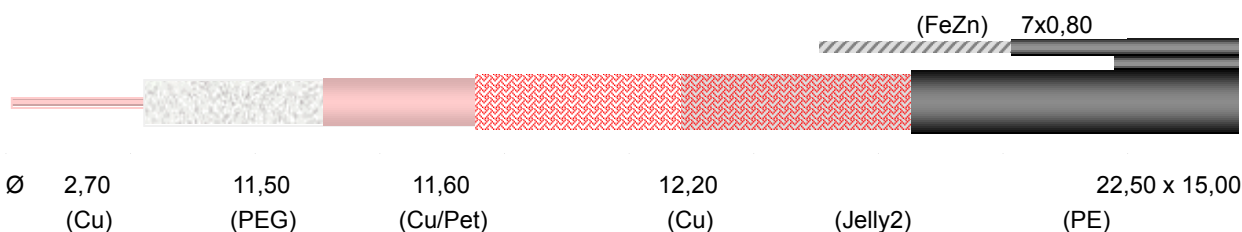
Description

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



Data Sheet

27/115AP



Construction data

Inner conductor of plain copper	(Cu)	2,70 ± 0,10	mm
Dielectric of physical foam polyethylene	(PEG)	11,50 ± 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)		52	%
Tracer Identifier	Year + Flag		
Water repellent sealing (sheath)	(Jelly2)		
Diameter under Sheath		12,20	mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	22,50 x 15,00 ± 0,20	mm
Messenger rope of zinc-plated steel	(FeZn)	7x0,80	mm
Printed each meter by yellow ink-jet :			
CAVEL 2.7/11.5 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

Electrical data

Characteristic impedance	200 MHz	75 ± 2	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Factor		85	%
Inner conductor resistance		3,40	Ohm/km
Outer conductor resistance		5,80	Ohm/km
Loop resistance		9,20	Ohm/km
Insulation voltage of the sheath (spark test)		8	kV
Maximum current (Ieff)		25	A
Structural return loss (SRL)			
5 - 470 MHz	>25	dB	
470 - 1000 MHz	>24	dB	
1000 - 2000 MHz	>23	dB	
2000 - 3000 MHz	>22	dB	
Screening Attenuation (SA)			
30 - 1000 MHz	>95	dB	
1000 - 2000 MHz	>95	dB	
2000 - 3000 MHz	>85	dB	
		Transfer impedance	
		5 - 30 MHz	0,2 mOhm/m

<p>ITALIANA CONDUTTORI s.r.l. Viale Zanotti 90 I - 27027 Gropello Cairoli Tel +39-382.815150 Fax +39-0382.814212</p>	<p>Date 18/04/2013</p>	<p>Responsible PierPaolo Piccinini</p>
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Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	0,80	862	7,70
10	1,10	1000	8,40
30	1,30	1750	11,40
50	1,70	2150	12,80
200	3,40	2400	13,60
300	4,20	3000	15,40
470	5,50		

Mechanical data

Weight of copper conductors	83,87	kg/km	
Total weight of cable	222,09	kg/km	
Minimum bending radius (single/repeated bending)	200	mm	
Maximum cable pulling strength	800	N	
Fire Load	4.960	MJ/km	1.378 kWh/km

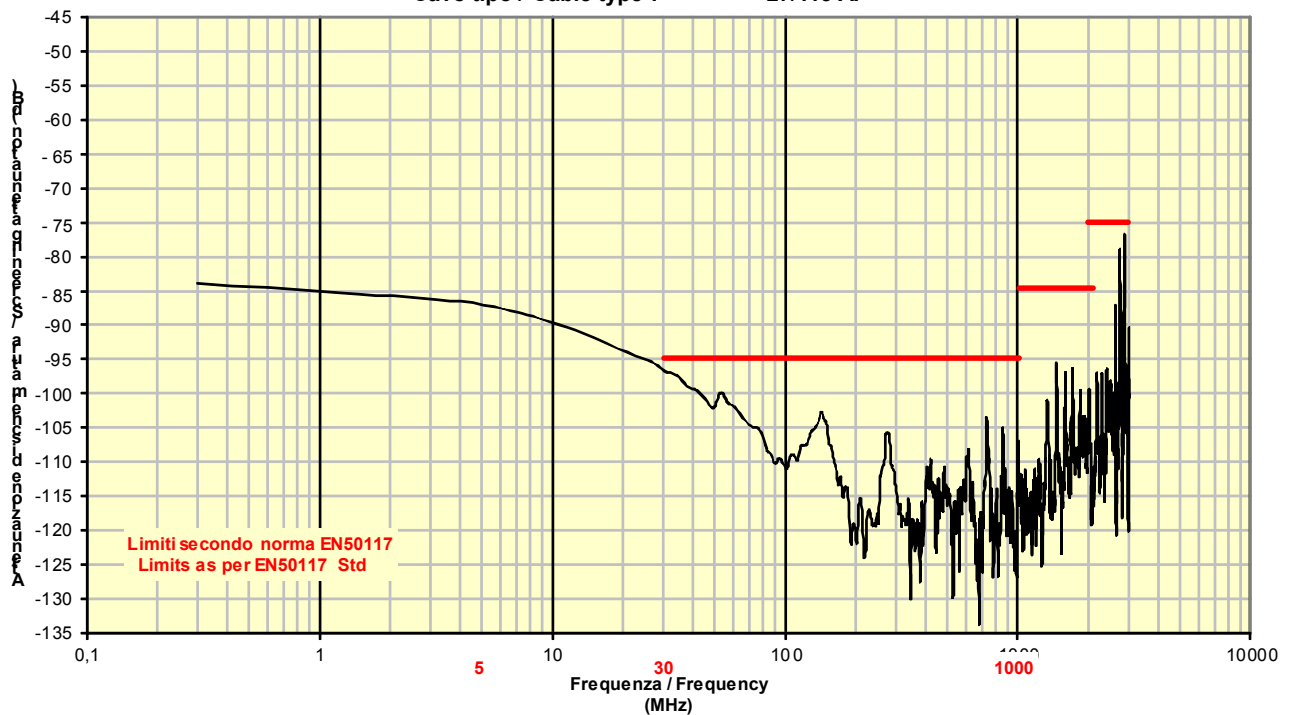
Standards

EN 50117-2-3

Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable

Cavo tipo / Cable type : **27/115 AP**



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**Data Sheet****27/115AP****Connector**

FM-44	Series F, male, for outdoor and underground installation, nitin-plated brass - 76,0 mm x 31,0 mm
IEC14M-44	Series IEC (no tool), male, for outdoor and underground installation, nitin-plated brass - 75,0 mm x 25,0 mm
5/8MU-44	Serie 5/8", male, for outdoor and underground installation, nitin-plated brass - 75,0 mm x 25,0 mm
3,5/12M-44	Serie 3,5/12", male, for outdoor and underground installation, nitin-plated brass - 75,0 mm x 25,0 mm

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