

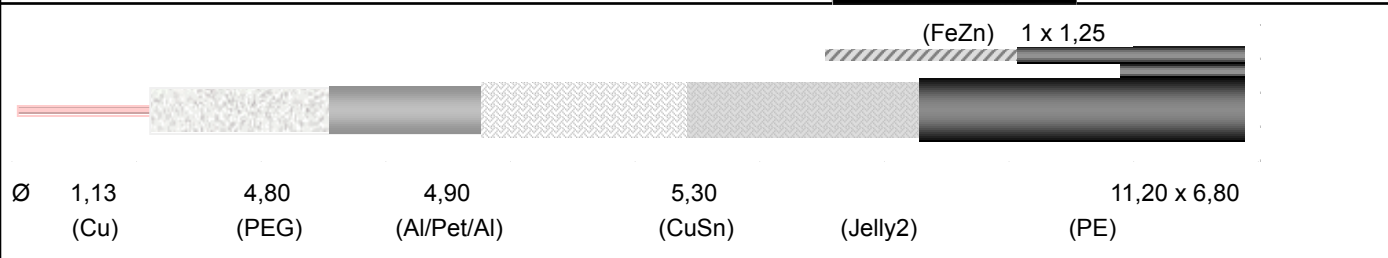
Description

Outdoor drop coaxial cable with messenger rope - 75 Ohm
 Outdoor cabel for hung-up installation (Screening Class A+)



Data Sheet

DG113PEM



Construction data

Inner conductor of plain copper	(Cu)	1,13 ± 0,02 mm
Dielectric of physical foam polyethylene	(PEG)	4,80 ± 0,10 mm
Water repellent sealing (dielectric)	(Jelly1)	
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)	
Braid of tinned copper wires	(CuSn)	
Braid optical coverage (IEC 96-1)		72 %
Tracer Identifier	Year + Flag	
Water repellent sealing (sheath)	(Jelly2)	
Diameter under Sheath		5,30 mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	11,20 x 6,80 ± 0,15 mm
Messenger rope of zinc-plated steel	(FeZn)	1 x 1,25 mm
Printed each meter by yellow ink-jet :		
CAVEL DG 113 PEM MADE IN ITALY 75 Ohm EN50117-2-5 * LTE PROTECTION * ss/aa m		
(ss=week, aa=year) (m=meter marking)		
Messenger Maximum tensile strength		200,00 kg

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Factor		85 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		13,90	Ohm/km
Loop resistance		31,90	Ohm/km
Insulation voltage of the sheath (spark test)		5	kV
Maximum current (Ieff)		8	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	>95 dB	5 - 30 MHz	Transfer impedance < 0,3 mOhm/m
1000 - 2000 MHz	>90 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	Responsible
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Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,60	862	17,10
10	2,30	1000	18,50
30	3,20	1750	24,90
50	4,10	2150	27,90
200	8,00	2400	29,60
300	9,80	3000	33,40
470	12,40		

Mechanical data

Weight of copper conductors	19,20	kg/km	
Total weight of cable	60,34	kg/km	
Minimum bending radius (single/repeated bending)	35/70	mm	
Maximum cable pulling strength	150	N	
Maximum pulling strength during the installation	150	N	
Fire Load	1.299	MJ/km	361 kWh/km

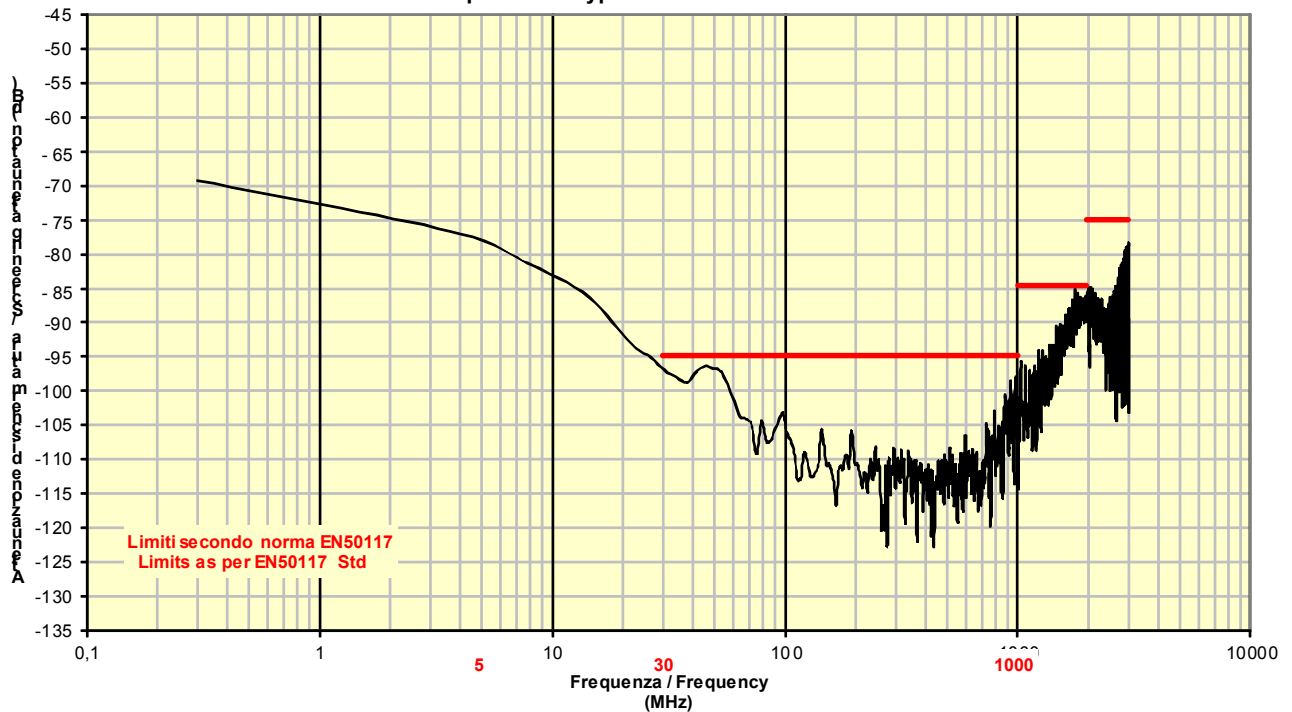
Standards

EN 50117-2-5

Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable

Cavo tipo / Cable type : DG 113 PEM



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**Data Sheet****DG113PEM****Connector**

BNCC703	Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm
FCPO5.1C	Series F Compression, Ø 5,1 Push-On, for outdoor installation, nitin-plated brass
FC703	Series F Compression, F Compression, for outdoor installation, nitin-plated brass - 30,0 mm x 12,0 mm
FC7.0QM	Series F Compression, Quick Mount, for outdoor installation
IECF703	Series IEC Compression, female, no tool, for outdoor installation
IECM703	Series IEC Compression, male, for outdoor installation
IECF5.1C	Series IEC (no tool), female, no tool, for indoor installation
IECM5.1C	Series IEC (no tool), male, no tool, for indoor installation
FR703	Series F Crimp, F crimp, "Rapid", for indoor installation

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