

### HQ 113 PVC Technical Data Sheet

Inner Conductor	Bare Copper
Inner Conductor Diameter	1.13 ± 0.02 mm
Insulation	Gas Injected Skin/Foam/Skin PE
Insulation Diameter	4.80 ± 0.10 mm
1.Screen	Aluminium Foil ,Bonded to the insulation
2.Screen	Aluminium wire braiding % 55 ±3 coverage
3.Screen	Aluminium Foil ,Bonded to the Outer Sheath
Outer Sheath	PVC-White
Outer Sheath Diameter	6.60 ± 0.10 mm
Inner Conductor Resistance	17,8 Ohm/km
Velocity Of The Propagation	%83 ± 3
Impedance	75 ± 3 Ohm/m
Capacitance	53 ± 2 pF/m
Return Loss	
5-470 Mhz	> 26 dB
470-1200 Mhz	> 23 dB
1200 - 2000 Mhz	> 20 dB
2000-3000 Mhz	> 18 dB
Attenuation	(dB/100m) +/- %5
5 MHz	1.40 dB/100m
50 MHz	4.10 dB/100m
230 MHz	8.20 dB/100m
470 MHz	12.30 dB/100m
860 MHz	16,90 dB/100m
1000 MHz	19,20 dB/100m
1200 MHz	21,90 dB/100m
2150 MHz	29,90 dB/100m
3000 MHz	36,20 dB/100m
Transfer Impedance	Class A+
5Mhz to 30Mhz	≤ 2,5 mΩ/m
Screening Attenuation	Class A+
30-1200 Mhz	>95 dB
1200 - 2000 Mhz	>85 dB
2000 - 3000 Mhz	>75 dB



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