

**Mechanical specifications**

- Type : Coax H 1001
- Inner Conductor : 19 x 0.54mm soft annealed copper
- Dielectric : PHYSICAL FOAM PE
- Diameter over dielectric : 7.15 mm ± 0.15 mm
- Outer Conductor : foil + braiding
- Coverage : 50 %
- Diameter over screen : 7.9 mm ± 0.15 mm
- Sheath : PVC, BLACK
- Marking : BELDEN VENLO HOLLAND H1001 YYYYY SUPER LOW LOSS  
50 OHM COAXIAL CABLE
- Diameter over sheath : 10.3 mm ± 0.2 mm
- Minimum wall thickness : 1.0 mm
- Nominal wall thickness : 1.2 mm
- Minimum setting radius : 50 mm
- Total weight : 129.5 g/m
- Copper contents : 57.1 g/m

**Electrical specifications**

- Characteristic impedance : 50 ± 2Ω
- DC loop resistance : 15.05 Ω/km
- DC resistance inner conductor: 4.00Ω/km
- DC resistance outer conductor: 11.05Ω/km
- Capacitance : 80 pF/m
- Velocity ratio : 0.83
- Nominal attenuation at
 

7 Mhz	: 1.4 dB/100m	± 5%	800 Mhz:	14.1 dB/100m	± 3%
14 Mhz	: 1.8 dB/100m	± 5%	900 Mhz:	15.1 dB/100m	± 3%
21 Mhz	: 2.0 dB/100m	± 5%	1296 Mhz	: 18.8 dB/100m	± 3%
28 Mhz	: 2.3 dB/100m	± 5%	2320 Mhz	: 26.7 dB/100m	± 3%
50 Mhz	: 3.1 dB/100m	± 5%	3000 Mhz	: 31.6 dB/100m	± 3%
100 Mhz	: 4.6 dB/100m	± 5%			
144 Mhz	: 5.5 dB/100m	± 5%			
432 Mhz	: 10.0 dB/100m	± 5%			

- Power Rating (according to IEC-96)

<b>Tambient :</b>	<b>40</b>	<b>30</b>	<b>20</b>	<b>°C</b>
7 Mhz :	4.5	6.3	7.6	kW
14 Mhz :	3.2	4.5	5.4	kW
21 Mhz :	2.6	3.6	4.4	kW
28 Mhz :	2.2	3.2	3.8	kW
50 Mhz :	1.7	2.4	2.8	kW
100 Mhz :	1.2	1.7	2.0	kW
144 Mhz :	1.0	1.4	1.6	kW
432 Mhz :	0.6	0.8	0.9	kW
800 Mhz :	0.4	0.6	0.7	kW
900 Mhz :	0.4	0.5	0.6	kW
1296 Mhz :	0.3	0.4	0.5	kW
2320 Mhz :	0.2	0.3	0.4	kW
3000 Mhz :	0.1	0.2	0.3	kW

- Screening efficiency (A<sub>s</sub>) : 30 - 1000 Mhz ≥ 80 dB
- Operating voltage max : 5 kV

**Delivery information**

- 40011.9904.242 : 500 m ± 5% returnable reel
- Other delivery length : on request

