

# H1000 PE Belden

Flexible coaxial cable for outdoor use

## Construction & Dimensions

Inner conductor diameter:	2.62 mm
Dielectric diameter:	7.15 mm
Outer conductor diameter screen:	7.9 mm
Sheath diameter:	10.3 mm

## Mechanical characteristics

Storage temperature:	-40°C to +80°C
Operating temperature:	-40°C to +80°C
Minimum installation temperature:	-5 °C
Minimum static bend radius:	75 mm
Total weight:	120 g/m

## Electrical characteristics

Mean characteristic impedance:	$50 \pm 2 \Omega$
DC loop resistance:	$\leq 11 \Omega/\text{km}$
DC resistance inner conductor:	$\leq 3.2 \Omega/\text{km}$
DC resistance outer conductor:	$\leq 7.9 \Omega/\text{km}$
Capacitance:	80 pF/m
Velocity ratio:	$0.83 \pm 0.02$

Screening efficiency 30-1000 MHz:	$\geq 85 \text{ dB}$
Return loss at 5- 470 MHz:	$\geq 22 \text{ dB}$
470 –862 MHz:	$\geq 23.5 \text{ dB}$

Attenuation at	Nominal (+ max 10%)
10 MHz:	1.3 dB/100m
50 MHz:	3.0 dB/100m
100 MHz:	4.3 dB/100m
230 MHz:	6.8 dB/100m
300 MHz:	7.7 dB/100m
400 MHz:	9.1 dB/100m
470 MHz:	10.0 dB/100m
860 MHz:	14.1 dB/100m
1000 MHz:	15.3 dB/100m
1350 MHz:	18.3 dB/100m
1750 MHz:	21.3 dB/100m
2050 MHz:	23.4 dB/100m