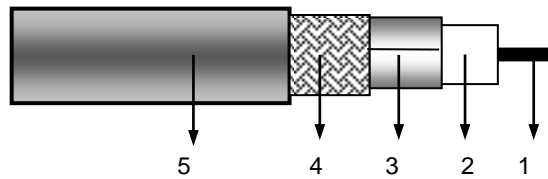


## YE03786

### 50 Ohm coaxial cable Coax H2007 CU FRNC/LSNH



### Applications

- 50 Ohm low loss coaxial cable designed according European Standard EN 50117-1

### General Standards

- European standard EN 50117-1
- European standard EN 50290-2-20

### Construction & Dimensions

<b>1. Conductor</b>	
Material	Stranded bare copper 19 x 0.375mm
Diameter	1.875 mm
<b>2. Insulation</b>	
Material	Foam PE
Diameter over insulation	5.0 ± 0.15 mm
<b>3. Foil</b>	
Material	CU-PET
Overlap	≥2 mm
<b>4. Braid</b>	
Material	Bare copper
Nominal single braid wire diameter	0.15 mm
Nominal coverage	89%
<b>5. Jacket</b>	
Material	FRNC/LSNH
Diameter	7.35 ± 0.15 mm

### Mechanical characteristics

Parameter	Specification	Unit
Minimum bending radius (without pulling tension)	75	mm
Minimum adhesion dielectric @ 100mm, 100 mm/min	10	N
Maximum tensile pulling strength of cable	175	N
Minimum static bend radius	75	mm

### Electrical characteristics

Parameter	Specification	Unit
Impedance	50 +/- 3	Ω/km
DC resistance inner conductor	≤ 9.3	Ω/km

Attenuation at:	Nominal	Unit
5 MHz:	1.5	dB/100m
50 MHz:	4.7	dB/100m
100 MHz:	6.8	dB/100m
200 MHz:	9.7	dB/100m
230 MHz:	10.5	dB/100m
400 MHz:	14.1	dB/100m
600 MHz:	17.5	dB/100m
800 MHz:	20.5	dB/100m

Attenuation at:	Nominal	Unit
1000 MHz:	23.2	dB/100m
1350 MHz:	27.5	dB/100m
1750 MHz:	31.9	dB/100m
2400 MHz:	38.4	dB/100m
3000 MHz:	43.8	dB/100m
4000 MHz:	52.0	dB/100m
5000 MHz:	59.6	dB/100m
6000 MHz:	66.8	dB/100m

### Environmental and overall characteristics

Parameter	Specification	Unit
Storage/operating temperature	-30 to +70	°C
Minimum installation temperature	-5	°C
Smoke density acc. to IEC 61034-1/2 & EN50268-1/2; transmittance	> 60	%
Amount of halogen acid gas acc. to IEC 60754-1/2 & EN50267-1/2; pH	> 4.3	
Amount of halogen acid gas acc. to IEC 60754-1/2 & EN50267-1/2;	< 10	µS/mm
Resistance to flame propagation according IEC 60332-1	Pass	
Resistance to flame propagation according UN/ECE R 118.02	Pass	

Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.

