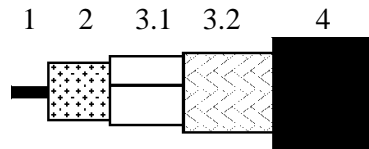
	TECHNICAL DATA SHEET	Code	1505ENH
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APPLICATION

Low loss HDTV/SDI Digital coax used in analog and digital video circuits and high quality applications. The cable is UV-resistant and suitable for indoor and outdoor use.

CONSTRUCTION



1	Inner conductor	Solid soft annealed copper
2	Dielectric	Gas injected PE
3.1	Foil	AL-PET-AL
3.2	Braid	Annealed tinned copper
4	Sheath	LSNH/FRNC according the European Standard HD 624.

REQUIREMENTS AND TEST METHODS

Test methods in accordance with European standard EN 50117-1.

Mechanical characteristics

1. Inner conductor:	
Diameter:	0.81 mm ± 0.03 mm
2. Dielectric:	
Diameter:	3.68 mm ± 0.15 mm
3. Outer conductor:	
Nominal diameter screen:	4.4 mm
Foil overlap:	≥ 2 mm
Coverage braid:	95 % ± 5 %
4. Sheath:	
Diameter:	5.92 mm ± 0.2 mm
5. Cable:	
Storage/operating temperature:	-30°C to +70°C
Minimum installation temperature:	-5 °C
Resistance to flame propagation:	To meet International Standard IEC 60332-1
Maximum tensile strength of cable:	200 N
Minimum static bend radius:	60 mm

**TECHNICAL DATA SHEET**Code **1505ENH**version **2****Precision Video Cable**date **2011-01-06****COAX RG59/U FRNC HDTV**page **2/2****Electrical characteristics**

Mean characteristic impedance:	75 ± 3 Ω
Nominal DC resistance inner conductor:	32 Ω/km
Nominal DC resistance outer conductor:	12 Ω/km
Capacitance:	53 pF/m ± 2 pF/m
Velocity ratio:	0.83 ± 0.02
Nominal delay:	4.0 ns/m
Insulation resistance:	> 10 ⁴ MΩ.km
Voltage test of dielectric:	2 kVdc
Return loss at 5-1600 MHz:	≥ 23 dB*
1600-4500 MHz:	≥ 21 dB*

Attenuation at	Nominal	Attenuation at	Nominal
1 MHz:	1.0 dB/100m	720 MHz:	21.0 dB/100m
3.6 MHz:	2.0 dB/100m	750 MHz:	21.3 dB/100m
10 MHz:	3.0 dB/100m	1000 MHz:	24.9 dB/100m
71.5 MHz:	6.9 dB/100m	1500 MHz:	30.5 dB/100m
135 MHz:	8.9 dB/100m	2250 MHz:	38.0 dB/100m
270 MHz:	12.5 dB/100m	3000 MHz:	44.0 dB/100m
360 MHz:	14.4 dB/100m	4500 MHz:	53.8 dB/100m
540 MHz:	18.1 dB/100m		



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.