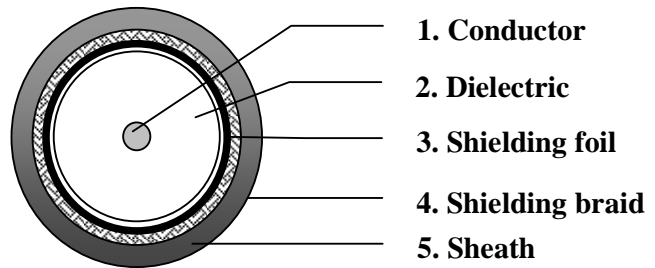
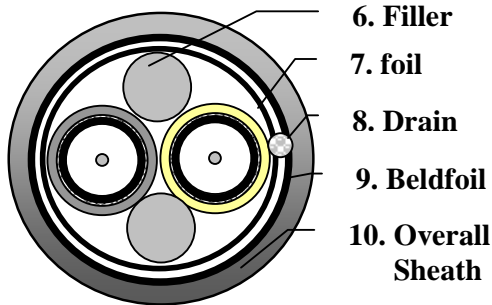


APPLICATION

75 Ohm sub-miniature S-video coaxial cable.

CONSTRUCTION



1. Conductor.

Material: Stranded bare copper
Diameter: 0.53 mm (19xAWG38)

2. Dielectric

Material: Gas injected foam PE
Diameter over dielectric: 2.39 mm

3. Shielding foil

Material: Dufoil® tape
Coverage: 100%

4. Shielding braid

Material: Tinned copper
Coverage: 92%

5. Sheath

Material: matte FRNC
Diameter: 3.81 ± 0.15 mm
Colour: Black & Yellow

6. Filler


7. Foil

8. Drainwire

9. Shielding foil

10. Overall sheath

Material: FRNC
Colour: Black
Diameter over sheath: 9.3 +/- 0.3mm

	TECHNICAL DATA SHEET	code	1865AN2
		version	1
		date	2007-09-25
	1865AN2 S-Video Coax	page	2/2

REQUIREMENTS AND TEST METHODS

Electrical:

Mean characteristic impedance:	75 ± 3 Ω
Nominal inductance	0.305 μH/m
Nominal capacitance conductor to shield:	54 pF/m
Nominal velocity of propagation:	82%
Nominal delay	4.07 ns/m
Nominal conductor DC resistance @ 20 °C:	107 Ω/km
Nominal shield DC resistance @ 20°C:	≤ 17.7 Ω/km
Return loss at 5-470 MHz:	≥ 20 dB*
470-862 MHz:	≥ 18 dB*
862-2150 MHz:	≥ 16 dB*

Nominal Attenuation:

MHz	dB/100m	MHz	dB/100m
1	1.6	180	21.9
3.58	3.5	270	26.8
5	4.2	360	31.2
7	5.0	540	38.8
10	6.0	720	45.7
67.5	13.9	750	46.7
71.5	14.2	1000	55.5
88.5	15.7	1500	69.1
100	16.5	2000	83.3
135	19.0	2250	85.4
143	19.6	3000	91.0

Mechanical and physical characteristics

Temperature range - storage/operating:	-15 to +70°C
Temperature range - installation:	-5 to +50 °C
Minimum bend radius - operation:	90 mm
Minimum bend radius - install:	180 mm
Flame test:	IEC 60332-1

MARKING (on cable sheath once every meter)

"BELDEN-NL 1865AN2 S-VIDEO 2-COAX RG59 FRNC/LSNH IEC 60332-1 MMY"

+ meter marking

(MMYY=month and year of production)



Belden CDT believes 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.