

Technical Document  
BSkyB Twin 63-008A 75ohm Coax  
PVC White CAI Approved

webro

Part Number: 570020E-WHT

Description: BSkyB Twin 63-008A 75ohm Coax  
PVC White, CAI Approved



**Product Construction**

|                      |   |                          |
|----------------------|---|--------------------------|
| Conductor Material   | : | Plain Annealed Copper    |
| Conductor Stranding  | : | Solid, 1/0.65mm          |
| Dielectric Material  | : | Foam Polyethylene (FPE)  |
| Dielectric Diameter  | : | 2.90mm $\pm$ 0.10        |
| Screening 1          | : | Overall Aluminium Foil   |
| Screening 1 Coverage | : | > 100%                   |
| Screening 2          | : | Tinned Copper Wire Braid |
| Screening 2 Coverage | : | > 85% $\pm$ 3            |
| Sheath Material      | : | Polyvinyl Chloride (PVC) |
| Sheath Colour        | : | White                    |



**Mechanical Characteristics**

|                   |         |                           |
|-------------------|---------|---------------------------|
| Overall Diameter  | :       | 6.7mm x 9.6mm $\pm$ 0.2mm |
| Temperature Range | Fixed   | -15°C to +70°C            |
|                   | Flexing | -5°C to +70°C             |
| Bend Radius       | :       | 10 x Overall Diameter     |
| Weight            | :       | 65 kg/km                  |

**Electrical Characteristics**

|                               |   |                               |
|-------------------------------|---|-------------------------------|
| Inner Conductor DC Resistance | : | $\leq$ 55 $\Omega$ /km @ 20°C |
| Outer Conductor DC Resistance | : | $\leq$ 16 $\Omega$ /km @ 20°C |
| Characteristic Impedance      | : | 75 $\Omega$ $\pm$ 3           |
| Nominal Capacitance           | : | 53 pF/m $\pm$ 3               |
| Velocity of Propagation       | : | 83%                           |

**Attenuation @20°C**

| Frequency (MHz) | Attenuation (per 100m) | Frequency (MHz) | Attenuation (per 100m) |
|-----------------|------------------------|-----------------|------------------------|
| 5               | $\leq$ 2.7 dB          | 860             | $\leq$ 30.0 dB         |
| 50              | $\leq$ 7.5 dB          | 1000            | $\leq$ 32.5 dB         |
| 100             | $\leq$ 10.0 dB         | 1750            | $\leq$ 42.2 dB         |
| 200             | $\leq$ 13.8 dB         | 2150            | $\leq$ 47.0 dB         |
| 460             | $\leq$ 21.4 dB         |                 |                        |

**Return Loss @ 20°C**

| Frequency (MHz)  | Return Loss  |
|------------------|--------------|
| 5MHz - 30MHz     | $\geq$ 23 dB |
| 30MHz - 470MHz   | $\geq$ 23 dB |
| 470MHz - 862MHz  | $\geq$ 20 dB |
| 862MHz - 2150MHz | $\geq$ 15 dB |

**Certifications & Standards**

|                         |   |                                 |
|-------------------------|---|---------------------------------|
| CAI Certification       | : | CAI 0011D                       |
| Flame Retardancy        | : | BS EN 60332-1-2                 |
| RoHS 3 Compliant        | : | Yes                             |
| REACH Compliant         | : | Yes                             |
| UKCA CPR Classification | : | Eca to BS EN 50575:2014+A1:2016 |



Publication Date: 27/01/2023

Revision Number: 2.0

Written by: GB

Authorised by: GB

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