Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1808A Coax - High-Flex S-Video Cable



For more Information please call

1-800-Belden1



General Description:

30 AWG stranded (7x38) .012" tinned copper conductors, foam HDPE insulation, tinned copper serve shield (90% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|---------------------------|-----------|
| 2 | 30 | 7x38 | TC - Tinned Copper | 0.3302 |

Total Number of Conductors:

2

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|--|-----------|
| FHDPE - Foam High Density Polyethylene | 1.4732 |

Inner Shield

Inner Shield Material:

| Туре | Inner Shield Material | Coverage (%) |
|--------------|-----------------------|--------------|
| Spiral Serve | TC - Tinned Copper | 90 |

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (mm) |
|--------------------------|----------------|
| PVC - Polyvinyl Chloride | 2.54 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Black |
| 2 | Yellow |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Nominal Diameter: 6.452 mm

Mechanical Characteristics (Overall)

| Operating Temperature Range: | -40°C To +75°C |
|-----------------------------------|----------------|
| UL Temperature Rating: | 60°C |
| Non-UL Temperature Rating: | 75°C |
| Bulk Cable Weight: | 43.158 Kg/Km |
| Max. Recommended Pulling Tension: | 53.378 N |
| Min. Bend Radius/Minor Axis: | 63.500 mm |

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Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs AWM Specification: UL Style 1354 EU Directive 2011/65/EU (ROHS II): Yes **EU CE Mark:** No EU Directive 2000/53/EC (ELV): Yes EU Directive 2002/95/EC (RoHS): Yes EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004 EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes Suitability Suitability - Indoor: Yes Suitability - Outdoor: Yes

No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

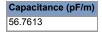


Plenum/Non-Plenum Plenum (Y/N):

Nom. Inductance:



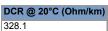
Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:



Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| 1 | 1.9686 |
| 5 | 4.5934 |
| 10 | 6.8901 |
| 30 | 12.4678 |
| 50 | 16.7331 |
| 100 | 24.9356 |
| 200 | 37.0753 |
| 400 | 55.4489 |
| 700 | 76.4473 |
| 900 | 88.2589 |
| 1000 | 93.8366 |

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Max. Operating Voltage - UL:

Voltage 30 V RMS

Max. Operating Voltage - Non-UL:

Voltage 300 V RMS

Notes (Overall)

Notes: Inner Jacket Separator Material: Paper Tape.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|--------|-------------|--------------|-------|-------------------------|
| 1808A B59U1000 | 305 MT | 14.061 KG | BLACK, MATTE | | 2 #30 FHDPE SRV PVC PVC |
| 1808A B59U500 | 152 MT | 7.484 KG | BLACK, MATTE | | 2 #30 FHDPE SRV PVC PVC |
| 1808A B591000 | 305 MT | 14.969 KG | BLACK, MATTE | С | 2 #30 FHDPE SRV PVC PVC |
| 1808A B59500 | 152 MT | 7.484 KG | BLACK, MATTE | С | 2 #30 FHDPE SRV PVC PVC |

Notes:

C = CRATE REEL PUT-UP.

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