

C602109010A06 Cable Assemblies - 3600 Pre-Terminated Cable Assembly



For more Information
please call

1-800-Belden1

**General Description:**

3600 Pre-Terminated Cable Assembly, Bonded-Pair, 4-Pair, 23 AWG Solid, T568A/B-T568A/B, 6 Cables, CMP, White, 10 ft. (3.0 m).

Usage (Overall)

| | |
|------------------------|---|
| Suitable Applications: | IBDN System 3600, TIA Category 6 |
| Related Parts: | CAT6+ RJ45 Couplers, CAT6+ Coupler Patch Panels |

Multi Conductor**Physical Characteristics****Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 4 | 23 | Solid | BC - Bare Copper |

Insulation

Insulation Material:

| Insulation Material |
|---------------------|
| PO - Polyolefin |

Outer Jacket

Outer Jacket Material:

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

Outer Jacket Color Code Chart:

| Color |
|-------|
| White |

Overall Cabling

| | |
|--------------------------|-----------|
| Overall Cabling Fillers: | Cross Web |
|--------------------------|-----------|

Overall Diameter

| | |
|----------------------------|-----------|
| Overall Nominal Diameter: | 0.750 in. |
| Individual Cable Diameter: | 0.235 in. |

Physical Characteristics (Connectivity)**Materials**

Materials:

| Description | Type | Material |
|------------------|--------|--|
| Plug | RJ45 | Polycarbonate |
| Boot | | Rubber |
| Front Connection | Blades | Phosphor Bronze with 50u inch Gold over Nickel Plating |
| Sleeve | | Engineered Polymer Plenum Rated |

Color

| | |
|-------------|-------------|
| Boot Color: | Translucent |
|-------------|-------------|

Wiring Scheme

| | |
|----------------|-----------------|
| Wiring Scheme: | T568A/B-T568A/B |
|----------------|-----------------|

Weight

| | |
|---------|------------|
| Weight: | 3.580 lbs. |
|---------|------------|

Packaging

| | |
|------------|---------------------------------|
| Packaging: | Individually packaged in a box. |
|------------|---------------------------------|

Mechanical Characteristics (Connectivity)

| | |
|----------------------------|------|
| Plug / Jack Compatibility: | RJ45 |
|----------------------------|------|

Termination Interface:

C602109010A06 Cable Assemblies - 3600 Pre-Terminated Cable Assembly

| Termination | Connection | Durabilities |
|-------------|------------------|--------------|
| RJ45 | Mated Connection | 750 Cycles |

Storage Temperature Range: -40°C To +70°C

Installation Temperature Range: -10°C To +60°C

Operating Temperature Range: -10°C To +60°C

Max. Recommended Pull Tension: 25 lbs.

Min. Bend Radius (Overall Cable): 1.040 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL Rating: Plenum

Other Standards: FCC Part 68, Subpart F, IEC 60603-7

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 08/01/2009

MII Order #39 (China RoHS): EUP 50

Telecommunications Standards: ISO/IEC 11801:2002 Ed.2

Safety Listing: Bi-national Standard Listed

Suitability

Suitability - Indoor: Yes

Transmission Characteristics (Connectivity)

Performance Table 1:

| Frequency (MHz) | Max. Insertion Loss TIA* (dB) | Max. Insertion Loss Belden (dB) | Min. PSNEXT TIA* (dB) | Min. PSNEXT Belden (dB) | Min. PSACRF TIA* (dB) | Min. PSACRF Belden (dB) |
|-----------------|-------------------------------|---------------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
| 1.000 | 2.400 | 2.000 | 72.300 | 77.300 | 64.800 | 69.800 |
| 4.000 | 4.500 | 3.700 | 63.300 | 68.300 | 52.800 | 57.700 |
| 8.000 | 6.400 | 5.200 | 58.800 | 63.800 | 46.700 | 51.700 |
| 10.000 | 7.100 | 5.800 | 57.300 | 62.300 | 44.800 | 49.800 |
| 16.000 | 9.100 | 7.400 | 54.200 | 59.300 | 40.700 | 45.700 |
| 20.000 | 10.200 | 8.300 | 52.800 | 57.800 | 38.800 | 43.700 |
| 25.000 | 11.400 | 9.300 | 51.300 | 56.400 | 36.800 | 41.800 |
| 31.250 | 12.800 | 10.400 | 49.900 | 54.900 | 34.900 | 39.900 |
| 62.500 | 18.500 | 15.000 | 45.400 | 50.400 | 28.900 | 33.800 |
| 100.000 | 23.800 | 19.300 | 42.300 | 47.300 | 24.800 | 29.800 |
| 200.000 | 34.800 | 28.300 | 37.800 | 42.800 | 18.800 | 23.700 |
| 250.000 | 39.400 | 32.100 | 36.300 | 41.400 | 16.800 | 21.800 |
| 300.000 | | 35.600 | | 40.200 | | 20.200 |

Performance Table - Footnote:

100 meter Cable Specifications - * TIA/EIA-568-B.2-1-2002 Category 6 Standard

Performance Table 2:

| Frequency (MHz) | Min. Return Loss TIA* (dB) | Min. Return Loss Belden (dB) | Min. Balanced TCL TIA* (dB) | Min. Balanced TCL Belden (dB) |
|-----------------|----------------------------|------------------------------|-----------------------------|-------------------------------|
| 1.000 | 20.000 | 20.000 | 40.000 | 42.000 |
| 4.000 | 23.000 | 23.000 | 40.000 | 42.000 |
| 8.000 | 24.500 | 24.500 | 40.000 | 42.000 |
| 10.000 | 25.000 | 25.000 | 40.000 | 42.000 |
| 16.000 | 25.000 | 25.000 | 38.000 | 40.000 |
| 20.000 | 25.000 | 25.000 | 37.000 | 39.000 |
| 25.000 | 24.200 | 25.000 | 36.000 | 38.000 |
| 31.250 | 23.300 | 25.000 | 35.100 | 37.100 |
| 62.500 | 20.700 | 25.000 | 32.000 | 34.000 |
| 100.000 | 19.000 | 25.000 | 30.000 | 32.000 |
| 200.000 | 16.400 | 21.600 | 27.000 | 29.000 |
| 250.000 | 15.600 | 20.500 | 26.000 | 28.000 |
| 300.000 | | 20.100 | | |

Dielectric Strength: 1,000 V RMS @ 60 Hz for 1 minute

Current Rating: 1.500 A

Insulation Resistance: 500 M-Ohm Minimum

Max. Contact Resistance: 20 m-Ohm

C602109010A06 Cable Assemblies - 3600 Pre-Terminated Cable Assembly

Labeling

Labeling:

Labeled at both ends: Part Number, Serial Number, Termination Scheme, Length, Individual cable identification. Customized Labeling for cable assemblies optional upon request.

Notes (Overall)

Notes: C602109010A06 is subdivided as following C6-02-1-00-010-A-06 where C6 stands for performance, 01 stands for jacket type, 1 stands for termination type, 06 stands for color, 010 stands for length, A stands for assembly, and 06 stands for number of cables Use "010" part of the code to specify length in feet - 006-050 ft in increments of 1 ft - 055-295 ft in increments of 5 ft

Product Family

Product List:

| Description | Black | Blue | White |
|------------------|---------------|---------------|---------------|
| 6 ft. (1.8 m) | C601100006A06 | C601106006A06 | C601109006A06 |
| 10 ft. (3.0 m) | C601100010A06 | C601106010A06 | C601109010A06 |
| 100 ft. (30.5 m) | C601100100A06 | C601106100A06 | C601109100A06 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|-------|-------------|-------|-------|-----------------------------|
| C602109010A06 | 1 EA | 4.830 LB | WHITE | | 3600 PRE-TERM ASSY WHI 10FT |

Revision Number: 0 Revision Date: 02-22-2010

© 2016 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.