9505 Paired - Computer Cable for EIA RS-232 Applications

For more information please call
1-800-Belden1

See Put-ups and Colors

Related Documents: No. 3 for Paired Cables (Belden Standard).pdf

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Description:
24 AWG stranded (7x32) TC conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain Wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs | 5
Total Number of Conductors | 10
AWG | 24
Stranding | 7x32
Conductor Material | TC - Tinned Copper

INSULATION:

Insulation Material | S-R PVC - Semi-Rigid Polyvinyl Chloride

Pair Color Code Chart:

<table>
<thead>
<tr>
<th>Number</th>
<th>Color</th>
<th>Number</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Black &amp; Red</td>
<td>4</td>
<td>Black &amp; Blue</td>
</tr>
<tr>
<td>2</td>
<td>Black &amp; White</td>
<td>5</td>
<td>Black &amp; Yellow</td>
</tr>
<tr>
<td>3</td>
<td>Black &amp; Green</td>
<td></td>
<td></td>
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</tbody>
</table>

OUTER SHIELD:

Outer Shield Material Trade Name | Beldfoil®
Outer Shield Type | Tape
Outer Shield Material | Aluminum Foil-Polyester Tape
Outer Shield % Coverage | 100 %

OUTER SHIELD DRAIN WIRE:

Outer Shield Drain Wire AWG | 24
Outer Shield Drain Wire Stranding | 7x32
Outer Shield Drain Wire Conductor Material | TC - Tinned Copper

OUTER JACKET:
9505  Paired  -  Computer Cable for EIA RS-232 Applications

Outer Jacket Material  PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter  .289 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range  -30°C To +80°C
UL Temperature Rating  80°C (UL AWM Style 2464)
Bulk Cable Weight  41.2 lbs/1000 ft.
Max. Recommended Pulling Tension  55 lbs.
Min. Bend Radius (Install)  3 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification  CMG
CEC/C(UL) Specification  CMG
AWM Specification  UL Style 2464 (300 V 80°C)
CSA Specification  AWM I A
EU CE Mark (Y/N)  Yes
EU RoHS Compliant (Y/N)  Yes
EU RoHS Compliance Date (mm/dd/yyyy):  04/01/2005

FLAME TEST:

UL Flame Test  UL1685 FT4 Loading
C(UL) Flame Test  FT4

PLENUM/NON-PLENUM:

Plenum (Y/N)  N
Plenum Number  89505, 82505

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance  75 Ohms
Nom. Capacitance Conductor to Conductor @ 1 KHz  30 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz  50 pF/ft
Nominal Velocity of Propagation  60 %
Nom. Conductor DC Resistance @ 20 Deg. C  24 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C  17 Ohms/1000 ft
Max. Operating Voltage - UL  300 V RMS (UL AWM Style 2464)
Max. Recommended Current  1.5 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Put-Up (ft.)</th>
<th>Ship Weight (lbs.)</th>
<th>Jacket Color</th>
<th>Notes</th>
</tr>
</thead>
</table>

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### 9505 Paired - Computer Cable for EIA RS-232 Applications

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Length</th>
<th>Diameter</th>
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<tr>
<td>9505 060100</td>
<td>5 PR #24 PVC FS PVC</td>
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C = CRATE REEL PUT-UP.

Revision Number: 1  Revision Date: 07-19-2005