

9507 Paired - Computer Cables for EIA RS-232 Applications



For more information please
call

1-800-Belden1

See Put-ups and Colors

**Color Code Chart : No. 3 for
Paired Cables (Belden
Standard).pdf**

Description:

24 AWG stranded (7x32) tinned copper conductors, twisted pairs, S-R PVC insulation, overall 100% Beldfoil shield, 24 AWG tinned copper drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|--------------------|
| Number of Pairs | 7 |
| Total Number of Conductors | 14 |
| AWG | 24 |
| Stranding | 7x32 |
| Conductor Material | TC - Tinned Copper |

INSULATION:

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

Pair Color Code Chart :

| Number | Color | Number | Color |
|--------|---------------|--------|----------------|
| 1 | Black & Red | 5 | Black & Yellow |
| 2 | Black & White | 6 | Black & Brown |
| 3 | Black & Green | 7 | Black & Orange |
| 4 | Black & Blue | | |

OUTER SHIELD:

| | |
|----------------------------------|--|
| Outer Shield Material Trade Name | Beldfoil® |
| Outer Shield Type | Tape |
| Outer Shield Material | Aluminum Foil-Polyester Tape w/Shorting Fold |
| 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:

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

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .294 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|--------------------------|
| Operating Temperature Range | -30°C To +80°C |
| Non-UL Temperature Rating | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight | 49.3 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 77 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 |

FLAME TEST:

| | |
|------------------|----------------------|
| UL Flame Test | UL1581 Vertical Tray |
| C(UL) Flame Test | FT4 |

PLENUM/NON-PLENUM:

| | |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

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 | 16.5 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:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|------------------------|--------------|--------------------|--------------|-------|
| 9507 060100 | 7 PR #24 PVC FS PVC | 100 | 5.6 | CHROME | |
| 9507 0601000 | 7 PR #24 PVC FS PVC | 1000 | 52 | CHROME | C |
| 9507 060500 | 7 PR #24 PVC FS PVC | 500 | 27.5 | CHROME | C |

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| | | | | | |
|---------------|------------------------|-------|----|--------|--|
| 9507 060U1000 | 7 PR #24 PVC FS PVC | U1000 | 51 | CHROME | |
| 9507 060U500 | 7 PR #24 PVC FS PVC | U500 | 26 | CHROME | |

C = CRATE REEL PUT-UP.

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