



9541 Non-Paired - Computer Cable for EIA RS-232 Applications

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|   | <p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : No. 2 and 2R (ICEA).pdf</p> |
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Description:

24 AWG stranded (7x32) tinned copper conductors, conductors cabled, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|--------------------|
| Number of Conductors | 15 |
| Total Number of Conductors | 15 |
| AWG | 24 |
| Stranding | 7x32 |
| Conductor Material | TC - Tinned Copper |

INSULATION:

| | |
|--------------------------------|--------------------------|
| Insulation Material | PVC - Polyvinyl Chloride |
| Nom. Insulation Wall Thickness | .010 in. |

OVERALL CABLING:

| | |
|----------------------------|---------|
| Overall Cabling Lay Length | 3.0 in. |
|----------------------------|---------|

Overall Cabling Color Code Chart :

| Number | Color | Number | Color |
|--------|-------------|--------|--------------|
| 1 | Black | 9 | Green/Black |
| 2 | White | 10 | Orange/Black |
| 3 | Red | 11 | Blue/Black |
| 4 | Green | 12 | Black/White |
| 5 | Orange | 13 | Red/White |
| 6 | Blue | 14 | Green/White |
| 7 | White/Black | 15 | Blue/White |
| 8 | Red/Black | | |

OUTER SHIELD:

| | |
|----------------------------------|------------------------------|
| Outer Shield Material Trade Name | Beldfoil® |
| Outer Shield Material | Aluminum Foil-Polyester Tape |



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| | |
|--------------------------------------------|--------------------|
| Outer Shield % Coverage | 100 % |
| Outer Shield Drain Wire AWG | 24 |
| Outer Shield Drain Wire Stranding | 7x32 |
| Outer Shield Drain Wire Conductor Material | TC - Tinned Copper |

OUTER JACKET:

| | |
|-------------------------------------|--------------------------|
| Outer Jacket Material | PVC - Polyvinyl Chloride |
| Outer Jacket Nominal Wall Thickness | .032 in. |

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .284 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|--------------------------|
| Operating Temperature Range | -30°C To +80°C |
| UL Temperature Rating | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight | 54.6 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 82.5 lbs. |
| Min. Bend Radius (Install) | 2.75 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) |
| EU CE Mark (Y/N) | Yes |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |

FLAME TEST:

| | |
|------------------|-----|
| C(UL) Flame Test | FT4 |
|------------------|-----|

PLENUM/NON-PLENUM:

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

ELECTRICAL CHARACTERISTICS:

| | |
|-------------------------------------------------|--------------------------------|
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 30 pF/ft |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 55 pF/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 25 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20 Deg. C | 18 Ohms/1000 ft |
| Max. Operating Voltage - UL | 300 V RMS (UL AWM Style 2464) |
| Max. Recommended Current | 1.75 Amps per conductor @ 25°C |



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PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|-------------------|--------------|--------------------|--------------|-------|
| 9541 060100 | 15 #24 PVC FS PVC | 100 | 5.9 | CHROME | |
| 9541 0601000 | 15 #24 PVC FS PVC | 1000 | 56 | CHROME | C |
| 9541 060500 | 15 #24 PVC FS PVC | 500 | 28 | CHROME | C |
| 9541 060U1000 | 15 #24 PVC FS PVC | U1000 | 54 | CHROME | |
| 9541 060U500 | 15 #24 PVC FS PVC | U500 | 27.5 | CHROME | |

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-25-2005

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Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru