



3132A Coax - ControlBus®

| | |
|-----------------------|------------------------|
| Outer Jacket Material | PVDF - Fluorocopolymer |
|-----------------------|------------------------|

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .274 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|-----------------|
| Operating Temperature Range | -20°C To +150°C |
| UL Temperature Rating | 150°C |
| Bulk Cable Weight | 43 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 104 lbs. |
| Min. Bend Radius (Install) | 2.75 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|-------------------------|---------------------------|
| NEC/(UL) Specification | CMP |
| CEC/C(UL) Specification | CMP |
| IEEE Specification | 802.4 MAP, 802.7 Mini-MAP |

FLAME TEST:

| | |
|----------------|----------------------|
| UL Flame Test | UL910 Steiner Tunnel |
| CSA Flame Test | FT6 |

SUITABILITY:

| | |
|-----------------------|-----|
| Suitability - Outdoor | Yes |
| Suitability - Burial | Yes |

PLENUM/NON-PLENUM:

| | |
|-------------------|-------|
| Plenum (Y/N) | Y |
| Non-Plenum Number | 3131A |

ELECTRICAL CHARACTERISTICS:

| | |
|---|-------------------|
| Nom. Characteristic Impedance | 75+/-3 Ohms |
| Nom. Inductance | .093 µH/ft |
| Nom. Capacitance Conductor to Shield | 16.3 pF/ft |
| Nominal Velocity of Propagation | 82 % |
| Nominal Delay | 1.2 ns/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 28.0 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20°C | 7.2 Ohms/1000 ft |

Minimum Structural Return Loss :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Minimum Structural Return Loss (dB) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------------|
| | | 5 | 400 | 23 |

Nom. Attenuation :

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| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Nom. Attenuation (dB/100 ft.) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------|
| | 1 | | | .36 |
| | 2 | | | .38 |
| | 5 | | | .50 |
| | 10 | | | .65 |
| | 20 | | | .95 |
| | 50 | | | 1.50 |
| | 100 | | | 2.12 |
| | 200 | | | 2.99 |
| | 300 | | | 3.66 |
| | 400 | | | 4.23 |

Max. Operating Voltage - UL 300 V RMS

Phase Delay Distortion :

| F/B | %PDD/100M (5MB) | %PDD/100M (10MB) | F/B | %PDD/100M (5MB) | %PDD/100M (10MB) |
|-----|-----------------|------------------|-----|-----------------|------------------|
| 0.5 | -0.54 | -1.19 | 2.0 | +0.16 | +0.38 |
| 1.0 | -0.19 | -0.51 | 2.5 | +0.30 | +0.66 |
| 1.5 | 0 | 0 | | | |

Other Electrical Characteristic 1 Tilt 5 to 10 MHz: .48 dB/100 M

Other Electrical Characteristic 2 Tilt 10 to 20 MHz: .93 dB/100 M

Other Electrical Characteristic 3 Sweep Tested 5 to 400MHz.

NOTES:

Notes Tap Marks Every 2.6 Meters to aid in users installation.

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|-------------------|--------------|--------------------|--------------|-------|
| 3132A F2V1000 | #18 FFEP DBSH SLF | 1000 | 36 | GRAY, DEC | C |

C = CRATE REEL PUT-UP.

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