

1634A Multi-Conductor - Types 1A



For more Information
please call

1-800-Belden1



Description:

IBM Type 1, 22 AWG solid BC conductors, non-plenum, flame-retardant foam polyethylene insulation, each pair individually Beldfoil® shielded, overall TC braid shield (65% coverage), rip cord, pvc jacket.

Usage (Overall)

Suitable Applications: Token Ring 4 & 16 Mbps, FDDI over copper and video

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | # Pairs | AWG | Stranding | Conductor Material |
|--------------|---------|-----|-----------|--------------------|
| 4 | 2 | 22 | Solid | BC - Bare Copper |

Insulation

Insulation Material:

Insulation Material

FRFPE - Flame Retardant Foam Polyethylene

Insulation Resistance: >16, 000 MOhms

Inner Shield

Inner Shield Material:

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

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper | 65 |

Outer Jacket

Outer Jacket Material:

Outer Jacket Material

PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.296 x 0.431 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|----------------|
| 1 | Black & Orange |
| 2 | Red & Green |

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

Bulk Cable Weight: 48 lbs/1000 ft.

Max. Recommended Pulling Tension: 83 lbs.

Min. Bend Radius (Install)/Minor Axis: 4.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---|----------------------|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| IEEE Specification: | IEEE802.5 Token Ring |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| Telecommunications Standards: | TIA/EIA-568-A |
| Other Specification: | ETL Verified |
| Customer Part Number Reference Specification: | IBM P/N: 4716748 |

Flame Test

| | |
|-----------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| CSA Flame Test: | FT4 |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

150

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

8.5

Maximum Capacitance Unbalance (pF/100 m): 150

Nominal Velocity of Propagation:

VP (%)

78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

17.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.3

Max. Attenuation:

Freq. (MHz) Attenuation (dB/100 m)

4 2.2

16 4.5

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

| Current |
|-------------------------------|
| 2.3 Amps per conductor @ 25°C |

Electrical Characteristics-Premise (Overall)

Premise

Minimum NEXT:

| Freq. (MHz) | NEXT (dB) |
|-------------|-----------|
| 4 | 58 |
| 16 | 40 |

Notes (Overall)

Notes: IBM qualified Type 1 media cable for use in IBM cabling systems. For suffix "A" product see 9688

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|------------------------|
| 1634A 0101000 | 1,000 FT | 50.000 LB | BLACK | C Z | IBM TYPE1 STP CMG REEL |

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 05-14-2007

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