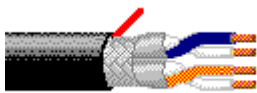


Detailed Specifications & Technical Data

Part Number: 1634A   Paired - IBM Type 1



**DESCRIPTION:**  
22 AWG (solid) bare copper conductor, flame retardant foamed polyethylene insulation, 2 pairs parallel each individually Beldfoil® shielded, overall

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

**PHYSICAL CHARACTERISTICS :**

**CONDUCTOR :**  
Number of Pairs: 2  
Number of Conductors: 4  
Total Number of Conductors: 4  
AWG: 22  
Stranding: Solid  
Conductor Material: BC - Bare Copper

**INSULATION :**  
Insulation Material: FRFPE - Flame Retardant Foam Polyethylene  
Insulation Resistance: >16, 000 MOhms

**PAIR :**  
Pair Shield Material Trade Name: Beldfoil®  
Pair Shield Type: Tape  
Pair Shield Material: Aluminum Foil-Polyester Tape  
Pair Shield % Coverage: 100 %  
Pair Color Code Chart:

Number	Color
1	Black & Orange
2	Red & Green

**OUTER SHIELD :**  
Outer Shield Type: Braid  
Outer Shield Material: TC - Tinned Copper  
Outer Shield %Coverage: 65 %

**OUTER JACKET :**  
Outer Jacket Material: PVC - Polyvinyl Chloride  
Outer Jacket Ripcord: Yes

**OVERALL NOMINAL DIAMETER :**  
Overall Nominal Diameter: .296 x .431 in.

**MECHANICAL CHARACTERISTICS :**  
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): 4.5 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE :**

**APPLICABLE STANDARDS :**

NEC/(UL) Specification:  
CEC/C(UL) Specification:  
IEEE Specification:  
TIA/EIA Specification:  
Other Specification:  
Customer Part Number Reference Specification:

CMG  
CMG  
IEEE802.5 Token Ring  
TIA/EIA-568-A  
ETL Verified  
IBM P/N: 4716748

**FLAME TEST :**

UL Flame Test:  
C(UL) Flame Test:  
CSA Flame Test:

UL1685 FT4 loading  
UL1685 FT4 loading  
FT4

**PLENUM/NON-PLENUM :**

Plenum (Y/N):

N

**ELECTRICAL CHARACTERISTICS :**

Nom. Characteristic Impedance:  
Nom. Capacitance Conductor to Conductor @ 1 KHz:  
Maximum Capacitance Unbalance (pF/100 m):  
Nominal Velocity of Propagation:  
Nom. Conductor DC Resistance @ 20 Deg. C:  
Minimum NEXT:

150  $\Omega$   
8.5 pF/ft  
150 pF/100 m  
78 %  
17.4  $\Omega$ /1000 ft

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum NEXT (dB)
	4			58
	16			40

Max. Attenuation (dB/100 m):

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 m)
	4			2.2
	16			4.5

Max. Operating Voltage - UL:  
Other Maximum Continuous Currents:

300 V RMS  
2.3 Amps per conductor at 25°C

**NOTES :**

Notes:

IBM qualified Type 1 media cable for use in IBM cabling s

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1634A 0101000	2 PR #22 FRFPE FRPE BRD PVC	1000	50	BLACK	C Z
1634A 0102000	2 PR #22 FRFPE FRPE BRD PVC	2000	102	BLACK	C Z
1634A 0103600	2 PR #22 FRFPE FRPE BRD PVC	3600	190.8	BLACK	C Z

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: 11-11-2003

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1/27/04