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1-800-Belden1



General Description:

IBM Type 6A, 26 AWG stranded (7x34) BC conductors, non-plenum, Datalene® insulation, twisted pairs, Beldfoil® shielded pairs + overall TC braid shield (65% coverage), striated PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | # Pairs | Stranding | Conductor Material |
|--------------|---------|-----------|--------------------|
| 4 | 2 | 7x34 | BC - Bare Copper |

Total Number of Conductors: 4

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material |
|-----------------------|----------------------------------------|
| Datalene® | FHDPE - Foam High Density Polyethylene |

Insulation Resistance: > 16000 M Ohms

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 Diameter:

| Nom. Dia. (in.) |
|-----------------|
| 0.325 |

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Bulk Cable Weight: 43 lbs/1000 ft.

Min. Bend Radius/Minor Axis: 3.250 in.

Min. Bend/Installation: 3.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2, CM

CEC/C(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

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 |
| Other Specification: | Verified IBM Type 6A |
| Customer Part Number Reference Specification: | IBM P/N: 4716743, 33G2775 |

Flame Test

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

Plenum/Non-Plenum

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

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): 100

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 78 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 38.7 |

Max. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 m) |
|-------------|------------------------|
| 4 | 3.3 |
| 16 | 6.6 |
| 100 | 18.7 |
| 300 | 32.3 |

Max. Operating Voltage - UL:

| |
|-----------|
| Voltage |
| 300 V RMS |

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 0.6 Amps per conductor @ 25°C |

Electrical Characteristics-Premise (Overall)

Premise

Minimum NEXT:

| Freq. (MHz) | NEXT (dB) |
|-------------|-----------|
| 4 | 52.0 |
| 16 | 44.0 |
| 100 | 33.0 |
| 300 | 25.0 |

Notes (Overall)

Notes: IBM qualified Type 6A office cable for use in IBM cabling systems.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|------------------------|
| 1215A 0101000 | 1,000 FT | 46.000 LB | BLACK | C Z | IBM TYPE6A STP CM 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.

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