



Product: [1540A](#) 

RISC 6000, #28-7c, BC, PO, O/A Foil+Braid, PVC Jkt, CL2

**Product Description**

RISC 6000 IBM XX, YY Cable, 28 AWG stranded (7x36) bare copper conductors, patented step polyolefin insulation, twisted pairs, overall Beldfoil® shielded + tinned copper braid shield (65% coverage), tinned copper drain wire, PVC jacket (see RISC color code chart below).

**Technical Specifications**

Physical Characteristics (Overall)

| Conductor        |           |                  |                   |
|------------------|-----------|------------------|-------------------|
| AWG              | Stranding | Material         | No. of Conductors |
| 28               | 7x36      | BC - Bare Copper | 7                 |
| Conductor Count: |           |                  | 7                 |

| Insulation |                    |                        |
|------------|--------------------|------------------------|
| Layer      | Material           | Nominal Wall Thickness |
| 1          | PP - Polypropylene | 0.01 in                |
| 2          | PE - Polyethylene  | 0.005 in               |

| Color Chart |                   |
|-------------|-------------------|
| Number      | Color             |
| 1           | White over Blue   |
| 2           | White over Orange |
| 3           | White over Green  |
| 4           | White over Brown  |
| 5           | White over Gray   |
| 6           | White over Red    |
| 7           | White over Yellow |

| Outer Shield Material |       |                         |                     |              |                    |               |                              |
|-----------------------|-------|-------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Type                  | Layer | Material                | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
| Tape                  | 1     | Bi-Laminate (Alum+Poly) | Beldfoil®           | 100%         | TC - Tinned Copper | 28            | 7x36                         |
| Braid                 | 2     | Tinned Copper (TC)      |                     | 65%          |                    |               |                              |

| Outer Jacket Material    |                  |                        |
|--------------------------|------------------|------------------------|
| Material                 | Nominal Diameter | Nominal Wall Thickness |
| PVC - Polyvinyl Chloride | 0.19 in          | 0.019 in               |

Electrical Characteristics

| Conductor DCR         |                          |
|-----------------------|--------------------------|
| Nominal Conductor DCR | Nominal Outer Shield DCR |
| 63 Ohm/1000ft         | 7.2 Ohm/1000ft           |

| Capacitance                             |                                                         |
|-----------------------------------------|---------------------------------------------------------|
| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
| 12.5 pF/ft                              | 23 pF/ft                                                |

Current

| Max. Recommended Current [A]   |
|--------------------------------|
| 0.9 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 150 V RMS         |

Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 22 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 2 in          |

Standards

|                              |                           |
|------------------------------|---------------------------|
| Customer Reference Document: | IBM Part No. XX, YY Cable |
| NEC/(UL) Compliance:         | CL2                       |
| Other Specification:         | RJ-45 compatible          |

Applicable Environmental and Other Programs

|                                   |                               |
|-----------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):    | Yes                           |
| EU Directive 2003/96/EC (BFR):    | Yes                           |
| EU Directive 2011/65/EU (RoHS 2): | Yes                           |
| EU Directive 2012/19/EU (WEEE):   | Yes                           |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                       | Yes                           |
| MII Order #39 (China RoHS):       | Yes                           |

Flammability, LS0H, Toxicity Testing

|                    |                   |
|--------------------|-------------------|
| UL Flammability:   | UL1685 UL Loading |
| UL voltage rating: | 150 V RMS         |

Plenum/Non-Plenum

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

Part Number

Variants

| Item #        | Color | UPC          |
|---------------|-------|--------------|
| 1540A 0081000 | Gray  | 612825117643 |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

Product Notes

|        |                                                                                                                                               |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Notes: | Patent # 5,220,130. Single conductors are dual insulated. Outer layer of insulation must be stripped off before attaching modular connectors. |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.328 Revision Date: 08-27-2021 |
|----------------------|--------------------------------------------------|

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