



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

Product Overview

Suitable Applications:	For RISC Systems where energy efficiency is Key
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	7	28 AWG	7x36	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP/PE - Polypropylene/Polyethylene	0.01 in (0.25 mm)	0.035 in mm	IBM - RISC 6000

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	28 AWG (7x36) TC
Braid	Tinned Copper (TC)	67%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	0.19 in

Overall Cable Diameter (Nominal): 0.19 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
66.6 Ohm/1000ft	12.5 pF/ft (41.0 pF/m)	23 pF/ft (75 pF/m)	0.9 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature
60°C

Bend Radius

Stationary Min.	Installation Min.

1.9 in (48 mm)	1.9 in
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Max. Pull Tension:	14.7 lbs (6.67 kg)
Bulk Cable Weight:	19 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 725, CL2
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	IBM Part No. XX, YY Cable, RJ-45 compatible

Product Notes

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

Update and Revision:	Revision Number: 0.340 Revision Date: 01-10-2024
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Part Numbers

Variants

Item #	Color	UPC	Footnote
1540A 0081000	Gray	612825117643	C

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