



**Product:** [1538A](#)

RISC 6000, #28-3pr, BC, PO, O/A Foil+Braid, PVC Jkt, CL2, 120Ω

### Product Description

RISC 6000 IBM N 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
Pair(s)	3	28 AWG	7x36	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.01 in (0.25 mm)	0.035 in (0.89 mm)	White & Blue, White & Orange, White & Green

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	28 AWG (7x36) TC
Braid	Tinned Copper (TC)	65%	

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.02 in (0.51 mm)	0.230 in

Overall Cable Diameter (Nominal): 0.230 in

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
70.6 Ohm/1000ft	12 pF/ft (39 pF/m)	21.5 pF/ft (70.5 pF/m)	120 Ohm	0.7 Amps per Conductor at 30°C

##### Voltage

UL Voltage Rating
300 V

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

##### Bend Radius

Stationary Min.	Installation Min.

2.30 in (58.4 mm)	2.30 in
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Max. Pull Tension:	33.9 lbs (15.4 kg)
Bulk Cable Weight:	22 lbs/1000ft

## Standards and Compliance

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

## Product Notes

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

Update and Revision:	Revision Number: 0.426 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
1538A 0081000	Gray	612825117612	C
1538A 008U1000	Gray	612825117605	

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