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General Description:

28 AWG stranded (7x36) bare copper conductors, non-plenum, patented step polyolefin insulation, twisted pairs, overall Beldfoil® shielded + TC braid shield (65% coverage), TC drain wire, PVC jacket (see RISC color code chart below).

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
7	28	7x36	BC - Bare Copper

Total Number of Conductors: 7

Insulation

Insulation Material:

Layer #	Insulation Material	Wall Thickness (mm)
1	Solid PP - Solid Polypropylene	0.254
2	Solid PE - Solid Polyethylene	0.127

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	65

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
28	7x36	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.483

Overall Cable

Overall Cabling Color Code 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

Overall Nominal Diameter: 4.826 mm

Mechanical Characteristics (Overall)

Bulk Cable Weight: 32.740 Kg/Km

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2

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

METRIC MEASUREMENT VERSION

1540A Multi-Conductor - IBM RISC System/6000

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:	RJ-45 compatible
Customer Part Number Reference Specification:	IBM P/N: XX, YY Cable

Flame Test

UL Flame Test:	UL1685 UL Loading
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
41.0125

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
75.463

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
206.703

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
23.6232

Max. Operating Voltage - UL:

Voltage
150 V RMS

Max. Recommended Current:

Current
0.9 Amps per conductor @ 25°C

Notes (Overall)

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

Notes (Cont'd.): Use a stripping tool such as Cooper Tools Xcelite Model 103-S or equivalent with a mechanical stop to avoid nicking the inner insulation.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1540A 0081000	1,000 FT	21.000 LB	GRAY	C	7 #28 FEP/PE SH PVC

Notes:
C = CRATE REEL PUT-UP.

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