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1-800-Belden1



## 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

### Insulation

#### Insulation Material:

Layer #	Insulation Material
1	Solid PP - Solid Polypropylene
2	Solid PE - Solid Polyethylene

### 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
PVC - Polyvinyl Chloride

### 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: 0.190 in.

## Mechanical Characteristics (Overall)

Non-UL Temperature Rating: -30°C To +75°C

Bulk Cable Weight: 23 lbs/1000 ft.

Min. Bend Radius (Install)/Minor Axis: 2 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2
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:	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/ft)
12.5

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
23

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
63

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
7.2

### 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.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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## 1540A Multi-Conductor - IBM RISC System/6000

1540A 0081000	1,000 FT	21.000 LB	GRAY	C	7 #28 FEP/PE SH PVC
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**Notes:**

C = CRATE REEL PUT-UP.

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