

For more Information  
please call

1-800-Belden1



### General Description:

IBM Type 6A, 26 AWG stranded (7x34) BC conductors, non-plenum, Datalene® insulation, twisted pairs, Beldfoil® shielded pairs + overall TC braid shield (65% coverage), striated PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	# Pairs	Stranding	Conductor Material
4	2	7x34	BC - Bare Copper

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material
Datalene®	FHDPE - Foam High Density Polyethylene

Insulation Resistance: > 16000 M Ohms

#### Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	65

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (in.)
0.325

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Orange
2	Red & Green

### Mechanical Characteristics (Overall)

Bulk Cable Weight: 43 lbs/1000 ft.

Min. Bend Radius/Minor Axis: 3.250 in.

Min. Bend/Installation: 3.250 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2, CM

CEC/C(UL) Specification: CM

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

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:	Verified IBM Type 6A
Customer Part Number Reference Specification:	IBM P/N: 4716743, 33G2775

### Flame Test

UL Flame Test:	UL1685 UL Loading
----------------	-------------------

### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)
150

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
8.5

Maximum Capacitance Unbalance (pF/100 m): 100

### Nominal Velocity of Propagation:

VP (%)
78

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
38.7

### Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 m)
4	3.3
16	6.6
100	18.7
300	32.3

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Recommended Current:

Current
0.6 Amps per conductor @ 25°C

## Electrical Characteristics-Premise (Overall)

### Premise

#### Minimum NEXT:

Freq. (MHz)	NEXT (dB)
4	52.0
16	44.0
100	33.0
300	25.0

## Notes (Overall)

Notes: IBM qualified Type 6A office cable for use in IBM cabling systems.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1215A 0101000	1,000 FT	46.000 LB	BLACK	C Z	IBM TYPE6A STP CM REEL

### Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1    Revision Date: 12-10-2015

© 2017 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.  
Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.  
All sales of Belden products are subject to Belden's standard terms and conditions of sale.  
Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.  
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).