Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

1215A Multi-Conductor - Type 6A

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.

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