

**IEEE 802.5; ISO/IEC 8802.5**

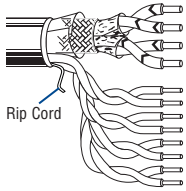
## IBM Cabling System

## Types 2A and 6A

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		AWG (stranding) Diameter Nom. DCR	Shielding	Nom. Imped. (Ω)	Nominal Capacitance		Freq. (MHz)	Maximum Attenuation		Min. NEXT	
				Ft.	m	Lbs.	kg	Inch	mm				* pF/Ft.	* pF/m		(dB/1000')	(dB/100m)	(dB/3280')	(dB/1000m)

**IBM Type 2A • 22 AWG Solid Bare Copper Conductors • Each Pair Individually Beldfoil® Shielded + Overall TC Braid Shield (65% Coverage)****Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket**

<b>IBM Part No.</b> 9689	NEC: 6*	1000 <sup>†</sup>	304.8	80.0	36.4	.324	8.23	22	100%	150	8.5	27.9	1k**	.390	.128	—	—
4716739	CMG	3600 <sup>†</sup>	1097.6	298.8	135.8	x	x	(solid)	Beldfoil	@ 1MHz	(data)	(data)	4	6.7	2.2	58.0	58.0
33G2773	CEC: CMG					.466	11.84	BC	Each Pair	(data)			16	13.4	4.4	50.4	50.4
								.026"	+ 65%	600			100	37.5	12.3	38.5	38.5
								16.7Ω/M'	TC Braid	@ 1kHz			300	65.2	21.4	31.3	31.3
								54.7Ω/km	Overall	(voice)			100 <sup>††</sup>	40.8	13.4	—	—
									(data only)				300 <sup>††</sup>	71.0	23.3	—	—
													600 <sup>††</sup>	100.3	32.9	—	—

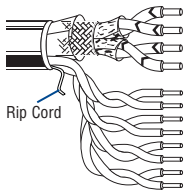


For Plenum version of 9689, see 82689.

IBM qualified Type 2A Media cable for use in IBM Cabling Systems.

**Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket**

<b>IBM Part No.</b> 82689	NEC: 6*	1000 <sup>†</sup>	304.8	79.0	35.9	.324	8.23	22	100%	150	8.5	27.9	1k**	.390	.128	—	—
4716738	CMP					x	x	(solid)	Beldfoil	@ 1MHz	(data)	(data)	4	6.7	2.2	58.0	58.0
33G8221	CEC: CMP					.460	11.68	BC	Each Pair	(data)			16	13.4	4.4	50.4	50.4
								.026"	+ 65%	600			100	37.5	12.3	38.5	38.5
								16.7Ω/M'	TC Braid	@ 1kHz			300	65.2	21.4	31.3	31.3
								54.7Ω/km	Overall	(voice)			100 <sup>††</sup>	40.8	13.4	—	—
									(data only)				300 <sup>††</sup>	71.0	23.3	—	—
													600 <sup>††</sup>	100.3	32.9	—	—



IBM qualified Type 2A Media cable for use in IBM Cabling Systems.

**IBM Type 6A • 26 AWG Stranded (7x34) BC Conductors • Twisted Pairs • Beldfoil Shielded Pairs + Overall TC Braid Shield (65% Coverage)****Non-Plenum • Datalene® Insulation • Striated Black PVC Jacket**

<b>IBM Part No.</b> 1215A	NEC: 2	1000 <sup>†</sup>	304.8	46.0	20.9	.325	8.26	26	100%	150	8.5	27.9	4	10	3.3	52.0	52.0
4716743	CL2, CM							(7x34)	Beldfoil				16	20	6.6	44.0	44.0
33G2775	CEC: CM							BC	Each Pair				100	57	18.7	33.0	33.0
								.019"	+ 65%				300	100	32.3	25.0	25.0
								38.7Ω/M'	TC Braid								
								127.0Ω/km	Overall								



IBM qualified Type 6A Office cable for use in IBM Cabling Systems.

BC = Bare Copper • DCR = DC Resistance • NEXT = Near-end Crosstalk • TC = Tinned Copper

\* Capacitance between conductors

\*\* Voice pairs (1 kHz); Data pairs (4–600 MHz)

<sup>†</sup> Spools are one piece, but length may vary ±10% from length shown.

<sup>††</sup> Common mode

<sup>^</sup> (2) shielded Data-grade pairs; (4) unshielded Voice-grade media pairs

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Teflon is a DuPont trademark.

**BELDEN**

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