

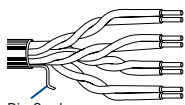
**VideoTwist® 6 UTP Cable for RGB Video**

TIA/EIA-568-B.2-1, Category 6 Bonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR ( $\Omega$ / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. ( $\Omega$ )	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										

**23 AWG Bonded-Pairs** Solid BC Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polypropylene Insulation • PVC Jacket**

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR ( $\Omega$ / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. ( $\Omega$ )	Min. RL (dB)		
			Ft.	m	Lbs.	kg	Inch	mm												
7989R	NEC:	4	1000	304.8	32.0	14.5	.365	9.27	9.0	3.0	49.2	1	2.0	72.3	70.3	64.8	100±15	20.0		
	CMR:		1640	500.0	52.5	23.8	x	x					4	3.8	63.3	59.5	52.7	100±15	23.0	
	CEC:						.165	.412					10	6.0	57.3	51.3	44.8	100±15	25.0	
	CMG:												16	7.6	54.3	46.7	40.7	100±15	25.0	
														31.25	10.7	49.9	39.2	34.9	100±15	23.6
														62.5	15.4	45.4	30.0	28.8	100±15	21.5
														100	19.8	42.3	22.5	24.8	100±15	20.1
														200	29.0	37.8	8.8	18.7	100±22	18.0
														250	32.8	36.3	3.5	16.8	100±32	17.3

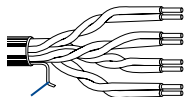


Rip Cord

Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 6

**Plenum • FEP Insulation • Flamarrest® Jacket**

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR ( $\Omega$ / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. ( $\Omega$ )	Min. RL (dB)		
			Ft.	m	Lbs.	kg	Inch	mm												
7989P	NEC:	4	1000	304.8	38.0	17.2	.365	9.27	9.0	3.0	49.2	1	2.0	72.3	70.3	64.8	100±15	20.0		
	CMP:		1640	500.0	62.3	28.3	x	x					4	3.8	63.3	59.5	52.7	100±15	23.0	
	CEC:						.165	.412					10	6.0	57.3	51.3	44.8	100±15	25.0	
	CMP:												16	7.6	54.3	46.7	40.7	100±15	25.0	
														31.25	10.7	49.9	39.2	34.9	100±15	23.6
														62.5	15.4	45.4	30.0	28.8	100±15	21.5
														100	19.8	42.3	22.5	24.8	100±15	20.1
														200	29.0	37.8	8.8	18.7	100±22	18.0
														250	32.8	36.3	3.5	16.8	100±32	17.3



Rip Cord

Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2-1, Category 6

ACR = Attenuation Crosstalk Ratio • BC = Bare Copper • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

**Color Codes: VideoTwist 6 RGB**

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

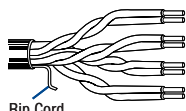
**DataTwist® 5e UTP Cable for RGB Video**

TIA/EIA-568-B.2, Category 5e Bonded and Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR ( $\Omega$ / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. ( $\Omega$ )	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										

**Low Skew 24 AWG Bonded Pairs** Solid BC Conductors • Twisted Pairs • Skew 9,0ns/100m nom. • Rip Cord • See Color Code Chart**Non-Plenum • Polyolefin Insulation • Green PVC Jacket**

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	U-1000	U-304.8	U-500.0	Standard Unit Wt. Lbs.	kg	Nominal OD Inch	mm	Max. DCR ( $\Omega$ / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. ( $\Omega$ )	Min. RL (dB)	
7988R	NEC:	4	U-1000	U-304.8	U-500.0	22.0	10.0	.204	5.18	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0	
	CMR		U-1640	U-500.0	36.1	16.4								4	4.1	53.3	49.2	48.7	100±15	23.0
	CEC:													10	6.5	47.3	40.8	40.8	100±15	25.0
	CMG													16	8.2	44.3	36.0	36.7	100±15	25.0
														31.25	11.7	39.9	28.2	30.9	100±15	23.6
														62.5	17.0	35.4	18.4	24.8	100±15	21.5
												100	22.0	32.3	10.3	20.8	100±15	20.1		
												200	32.4	27.8	1.0	14.7	100±25	15.0		

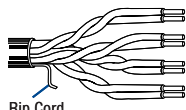


Rip Cord

Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

**Plenum • FEP Insulation • Green Flamarrest® Jacket**

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	U-1000	U-304.8	U-500.0	Standard Unit Wt. Lbs.	kg	Nominal OD Inch	mm	Max. DCR ( $\Omega$ / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. ( $\Omega$ )	Min. RL (dB)	
7988P	NEC:	4	U-1000	U-304.8	U-500.0	23.0	10.4	.193	4.90	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0	
	CMR		U-1640	U-500.0	37.7	17.1								4	4.1	53.3	49.2	48.7	100±15	23.0
	CEC:													10	6.5	47.3	40.8	40.8	100±15	25.0
	CMP													16	8.2	44.3	36.0	36.7	100±15	25.0
														31.25	11.7	39.9	28.2	30.9	100±15	23.6
														62.5	17.0	35.4	18.4	24.8	100±15	21.5
												100	22.0	32.3	10.3	20.8	100±15	20.1		
												200	32.4	27.8	1.0	14.7	100±25	15.0		



Rip Cord

Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

ACR = Attenuation Crosstalk Ratio • BC = Bare Copper • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

**Color Codes: DataTwist 5e RGB**

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

# MediaTwist® and DataTwist® 6 UTP Patch Cables

TIA/EIA-568-B.2-1, Category 6

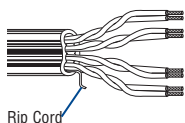
Enhanced Category 6 Bonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/100m)	Min. PSUM ELFEXT (dB/100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										

**Patch Cables • 24 AWG Bonded-Pairs Stranded (7x32) Tinned Copper Conductor • RJ-45 Compatible • See Color Code Chart (below)▲**

**Non-Plenum • Polyolefin Insulation • PVC Jacket (Yellow, Green, Blue, Purple, Light Gray, Gray, White or Black)**

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths (Ft./m)	Standard Unit Wt. (Lbs./kg)	Nominal OD (Inch/mm)	Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/100m)	Min. PSUM ELFEXT (dB/100m)	Input Imped. (Ω)	Min. RL (dB)			
1875GB	NEC:	4	1000†	304.8	31.0	14.1	.365	9.27	9.0	3.0	49.2	1	1.9	72.3	70	64.8	100±12	20.0
	CMR		A-1000††	A-304.8	32.0	14.5	x	x		4	3.7	63.3	59	52.8	100±12	23.0		
	CEC:									8	5.3	58.8	53	46.7	100±12	24.5		
	CMR									10	5.9	57.3	51	44.8	100±12	25.0		
											16	7.5	54.3	46	40.7	100±12	25.0	
											25	9.5	51.4	42	36.8	100±15	24.3	
											31.25	10.6	49.9	39	34.9	100±15	23.6	
											62.5	15.4	45.4	30	28.9	100±15	21.5	
											100	19.8	42.3	25	24.8	100±15	21.0	
											155	25.1	39.5	14	20.9	100±15	21.0	
											200	29.0	37.8	10	18.8	100±15	21.0	
											250	32.8	36.3	3	16.8	100±20	18.0	
									300	35.2	35.2	>0	15.2	100±20	18.0			
									350	39.8	34.2	—	13.9	100±22	17.0			
									400	43.0	—	—	—	100±32	14.0			
									500	49.0	—	—	—	100±32	14.0			

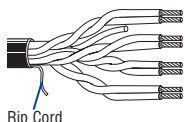


†1000 ft. put-up not available in Purple.  
 ††A-1000 ft. put-up not available in Black.  
 U.S. Patents 5,606,151; 5,734,126; 5,763,823 and 5,821,467  
 Third party verified to TIA/EIA-568-B.2-1, Category 6 Patch

**Patch Cables • 24 AWG Solid BC Conductors • Twisted Pairs • Central Slit-Film Filler • RJ-45 Compatible\* • See Color Code Chart (below)▲**

**Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)**

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths (Ft./m)	Standard Unit Wt. (Lbs./kg)	Nominal OD (Inch/mm)	Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/100m)	Min. PSUM ELFEXT (dB/100m)	Input Imped. (Ω)	Min. RL (dB)			
7883A	NEC:	4	1000	304.8	24.0	10.9	.205	5.21	9.38	5.0	330	1	2.4	72.3	69.9	64.8	100±15	20.0
	CM									10	7.1	57.3	50.2	44.8	100±15	25.0		
	CEC:									20	10.2	52.8	42.6	38.8	100±15	25.0		
	CM									31.25	12.8	49.9	37.1	34.9	100±15	23.6		
										62.5	18.5	45.4	26.9	28.9	100±15	21.5		
										100	23.8	42.3	18.5	24.8	100±15	20.1		
										200	34.8	37.8	3.0	18.8	100±22	18.0		
								250	39.4	36.3	—	16.8	100±32	17.3				



Jacket sequentially marked at 2 ft. intervals.  
 Third party verified to TIA/EIA-568-B.2-1, Category 6 Patch

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

**Color Codes: MediaTwist Patch (1875GB)**

Pair No.	Color Combination
1	White/Brown Stripe & Brown
2	White/Blue Stripe & Blue
3	White/Green Stripe & Green
4	White/Orange Stripe & Orange

\*Color rotation available for T568-A or T568-B wiring schemes.

**Color Codes: DataTwist 6 Patch (7883A)**

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

\*Color rotation available for T568-A or T568-B wiring schemes.

**Handy Cable Preparation Tool for Bonded-Pairs**

See page 15.40 for details.

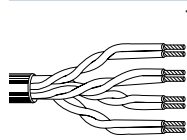
(Part No. 1797B)

**DataTwist® 350 UTP Patch Cable**

TIA/EIA-568-B.2, Category 5e

Enhanced Category 5e Bonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR ( $\Omega$ / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. ( $\Omega$ )	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										

**24 AWG Bonded-Pairs** Stranded (7x32) Tinned Copper Conductors • RJ-45 Compatible • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Purple, Black or Gray)**1752A**
 NEC:  
 CM  
 CEC:  
 CM

4	U-1000	U-304.8	24.0	10.9	.220	5.59	9.0	3.0	66.0	1	2.4	65.3	62.9	60.8	100±12	20.0
	1000	304.8	26.0	11.8						4	4.8	56.3	51.5	48.7	100±12	23.0
										8	6.8	51.8	45.0	42.7	100±12	24.5
										10	7.7	50.3	42.6	40.8	100±12	25.0
										16	9.7	47.3	37.5	36.7	100±12	25.0
										25	12.4	44.3	31.9	32.8	100±15	24.3
										31.25	13.9	42.9	29.0	30.9	100±15	23.6
										62.5	20.2	38.4	18.3	24.9	100±15	21.5
										100	26.0	35.3	9.2	20.8	100±15	20.1
										155	33.2	32.5	—	16.9	100±18	19.0
										200	38.4	30.8	—	14.7	100±20	19.0
										250	43.7	29.3	—	12.8	100±20	18.0
										350	53.2	27.2	—	9.9	100±22	17.0

Jacket sequentially marked at 2 ft. intervals.

U.S. Patents 5,606,151; 5,734,126 and 5,763,823

Third party verified to TIA/EIA-568-B.2, Category 5e Patch

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

**Color Codes: DataTwist 350 Patch**

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

**Get the Bonded-Pairs  
Cable Preparation Tool**See page 15.40 for details.  
(Part No. 1797B)

# IEEE 802.3 • ISO/IEC 8802.3 10Base2 and 10Base5

## Trunk Cables — Thinnet and Thicknet

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

### Thinnet 10Base2 • 20 AWG Stranded (19x32) .037" Tinned Copper Conductors • Duobond® II + Tinned Copper Braid Shield (93% Coverage)

#### Non-Plenum • Ethernet • Foam HDPE Insulation • Gray PVC Jacket

UL AWM Style 1354 (30V 60°C)	<b>9907</b>	NEC: CL2, CM CEC: CM	500 U-1000 1000 1640 2500 3280	152.4 U-304.8 304.8 500.0 762.0 1000.0	12.5 25.0 25.0 41.0 62.5 82.0	5.7 11.4 11.4 18.6 28.4 37.3	20 AWG (19x32) .037"	.102 2.59	2.59	Duobond II + 93% Tinned Copper Braid 5.8Ω/M'	.185 4.70	50 80%	25.4 83.3	80%	25.4 83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 8.90 12.10 13.90 14.80	1.4 4.3 9.5 13.8 20.0 29.2 39.7 45.6 48.6
------------------------------------	-------------	-------------------------------	---	---	--	---	----------------------------	--------------	------	---	--------------	-----------	--------------	-----	--------------	--	--	---

For Plenum versions of 9907, see 89907 or 82907.

DEC Part No. 17-01248-00

#### Plenum Ethernet • Foam FEP Insulation • Natural Flamarrest® Jacket

300V 75°C	<b>82907</b>	NEC: CL2P, CMP CEC: CMP	500† U-1000 1000† 2500†	152.4 U-304.8 304.8 762.0	12.5 23.0 24.0 57.5	5.7 10.9 10.9 26.1	20 AWG (19x32) .037"	.095 2.41	2.41	Duobond II + 93% Tinned Copper Braid 5.8Ω/M'	.160 4.06	50 80%	25.4 83.3	80%	25.4 83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 9.20 12.90 15.00 16.00	1.4 4.3 9.5 13.8 20.0 30.2 42.3 49.2 52.5
-----------	--------------	-------------------------------------	----------------------------------	------------------------------------	------------------------------	-----------------------------	----------------------------	--------------	------	---	--------------	-----------	--------------	-----	--------------	--	--	---

#### Plenum Ethernet • Foam FEP Insulation • Gray Fluorocopolymer Jacket

300V 150°C	<b>89907†</b>	NEC: CL2P, CMP CEC: CMP	500† U-1000 1000† 2500†	152.4 U-304.8 304.8 762.0	12.5 24.0 24.0 60.0	5.7 10.9 10.9 27.3	20 AWG (19x32) .037"	.095 2.41	2.41	Duobond II + 93% Tinned Copper Braid 5.8Ω/M'	.160 4.06	50 80%	25.4 83.3	80%	25.4 83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 9.20 12.90 15.00 16.00	1.4 4.3 9.5 13.8 20.0 30.2 42.3 49.2 52.5
------------	---------------	-------------------------------------	----------------------------------	------------------------------------	------------------------------	-----------------------------	----------------------------	--------------	------	---	--------------	-----------	--------------	-----	--------------	--	--	---

DEC Part No. 17-01246-00

Suitable for Outdoor and Direct Burial applications.

### Thicknet 10Base5 • 12 AWG Solid .086" Bare Copper Conductor • Duobond IV\* Quad Shield (100% Coverage)

#### Non-Plenum • Ethernet • Foam Polyethylene Insulation • Yellow PVC Jacket

UL AWM Style 1478 (30V 60°C)	<b>9880</b>	NEC: CL2, CM CEC: CM	500 1000 1640	152.4 304.8 500.0	66.0 131.0 219.8	30.0 59.5 99.9	12 AWG (solid) .086"	.243 6.17	6.17	Duobond IV (Duobond II + 94% TC Braid + Duofoil® + 90% TC Braid) 1.52Ω/M'	.405 10.29	50 78%	26.0 85.0	78%	26.0 85.0	1 5 10 50 100 200 400 700 900 1000	.19▲ .37▲ .52▲ 1.20▲ 1.70▲ 2.55▲ 3.90▲ 5.50▲ 6.50▲ 6.90▲	.62 1.21 1.71 3.94 5.58 8.37 12.80 18.10 21.30 22.60
------------------------------------	-------------	-------------------------------	---------------------	-------------------------	------------------------	----------------------	----------------------------	--------------	------	--	---------------	-----------	--------------	-----	--------------	---	---	---

For Plenum version of 9880, see 89880.

DEC Part No. 17-00451-00

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

#### Plenum Ethernet • Foam FEP Insulation • Orange Fluorocopolymer Jacket

150°C	<b>89880</b>	NEC: CL2P, CMP CEC: CMP	1000† 1640†	304.8 500.0	134.0 224.7	60.9 102.1	12 AWG (solid) .086"	.245 6.22	6.22	Duobond IV (Duobond II + 94% TC Braid + Duofoil + 90% TC Braid) 1.52Ω/M'	.375 9.53	50 78%	26.0 85.0	78%	26.0 85.0	1 5 10 50 100 200 400 700 900 1000	.18 .37▲ .52▲ 1.15 1.65 2.45 3.80 5.60 6.80 7.20	.59 1.21 1.71 3.77 5.41 8.04 12.50 18.40 22.30 23.60
-------	--------------	-------------------------------------	----------------	----------------	----------------	---------------	----------------------------	--------------	------	---	--------------	-----------	--------------	-----	--------------	---	---	---

DEC Part No. 17-00324-00

Suitable for Outdoor and Direct Burial applications.

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\* Duobond IV = Duobond II (100% coverage) + tinned copper braid (90% coverage) + Duofoil® (100% coverage) + tinned copper braid (90% coverage).

Plenum version is Duobond II (100% coverage) + tinned copper braid (94% coverage) + Duofoil (100% coverage) + tinned copper braid (90% coverage).

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

▲Maximum Attenuation

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

# IEEE 802.3 • ISO/IEC 8802.3 10Base5

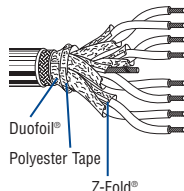
## Transceiver Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Wt.		Conductor (stranding) Nom. DCR	Shielding Materials Nom. DCR	Nominal OD		Drain Wire	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
					Ft.	m	Lbs.	kg			Inch	mm				* pF/Ft.	* pF/m	** pF/Ft.	** pF/m

**28 and 24 AWG Stranded TC Conductors • Twisted Pairs • Overall Polyester Isolation Tape + Duofoil® + TC Braid Shield (92% Coverage) • Drain Wire**

### Non-Plenum • Polypropylene Insulation • Light Gray PVC Jacket

UL AWM Style 2919 (30V 80°C)	<b>9903</b>	NEC: CMG CEC: CMG CMG	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	21.5 43.0	9.8 19.5	3 Pair: 28 AWG (7x36) TC 65.0Ω/M' 213.0Ω/km 1 Pair: 24 AWG (7x32) TC 24.0Ω/M' 78.7Ω/km Each Pair Individually Beldfoil® Shielded	Polyester Isolation Tape + Duofoil® Tinned Copper Braid 9.5Ω/km	.250 6.35	24 AWG Stranded Tinned Copper	78*	66%	19.7	64.6	34.8	114.2
------------------------------	-------------	-----------------------------	---	--	-------------	----------------	--------------	-------------	--	--	--------------	-------------------------------	-----	-----	------	------	------	-------

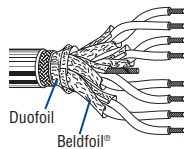


\*3 Pairs

**20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Overall Polyester Isolation Tape + Duofoil + TC Braid Shield (95% Coverage) • Drain Wire**

### Non-Plenum • Datalene® Insulation • Light Gray PVC Jacket

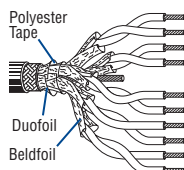
UL AWM Style 2919 (30V 80°C)	<b>9901</b>	NEC: CL2, CM CEC: CM CM	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	53.5 106.0	24.3 48.2	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil® Shielded 10.5Ω/M' 34.4Ω/km	Polyester Isolation Tape + Duofoil® Tinned Copper Braid 6.6Ω/km	.415 10.54	22 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8
------------------------------	-------------	-------------------------------	---	--	-------------	----------------	---------------	--------------	---	--	---------------	-------------------------------	----	-----	------	------	------	------



For Plenum version of 9901, see 89901.

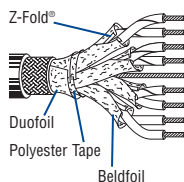
DEC Part No. 17-01320-00

UL AWM Style 2919 (30V 80°C)	<b>9902</b>	NEC: CL2, CM CEC: CM CM	5	Gray/White, Yellow/Orange, Blue/Green, Red/Brown, Red/Black	500 1000	152.4 304.8	76.0 145.0	34.5 65.9	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil® Shielded 10.5Ω/M' 34.4Ω/km	Polyester Isolation Tape + Duofoil® Tinned Copper Braid 5.4Ω/km	.495 12.58	20 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8
------------------------------	-------------	-------------------------------	---	---	-------------	----------------	---------------	--------------	---	--	---------------	-------------------------------	----	-----	------	------	------	------



### Plenum • FEP Teflon® Insulation†† • Light Gray Fluorocopolymer (PVDF) Jacket

150°C	<b>89901</b>	NEC: CMP CEC: CMP CMP	4	Gray/White, Yellow/Orange, Blue/Green, Red/Black	500†† 1000††	152.4 304.8	51.5 104.0	23.4 47.3	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil® Shielded 10.5Ω/M' 34.4Ω/km	Polyester Isolation Tape + Duofoil® Tinned Copper Braid 4.9Ω/km	.370 9.40	22 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8
-------	--------------	-----------------------------	---	--	-----------------	----------------	---------------	--------------	---	--	--------------	-------------------------------	----	-----	------	------	------	------



††Foam FEP (data pairs) and solid FEP (power pair).  
DEC Part No. 17-01319-00 • Suitable for Outdoor and Direct Burial applications.

DCR = DC Resistance • TC = Tinned Copper

\* Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

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

⚠ Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.


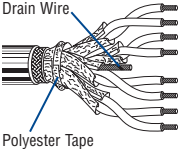

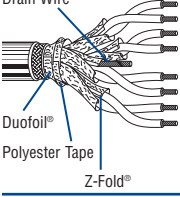

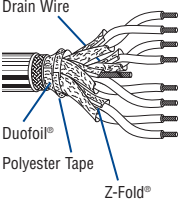


For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

**IEEE 802.3 • Ethernet 10Base5**

## Transceiver Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Wt.		Conductor (stranding) Nom. DCR	Shielding Materials Nom. DCR	Nominal OD		Drain Wire	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
					Ft.	m	Lbs.	kg			Inch	mm				* pF/Ft.	* pF/m	** pF/Ft.	** pF/m
<b>20 AWG Stranded (7x28) .038" TC Cond. • Twisted Pairs • Beldfoil® (100% Coverage) + Polyester Tape + TC Braid Shield (95% Cov.) • Drain Wire</b>																			
<b>Non-Plenum • Ethernet • Datalene® Insulation • Light Blue PVC Jacket</b>																			
UL AWM Style 2919 (30V 80°C)	<b>9892</b> 	NEC: CM, CL2 CEC: CM	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	51.5 101.0	23.4 45.9	20 AWG (7x28) .038" Tinned Copper 9.5Ω/M' 31.2Ω/km	Polyester Isolation Tape + 95% Tinned Copper Braid 1.9Ω/M' 6.2Ω/km	.398 10.1	22 AWG (7x30) Tinned Copper	78 78%	16.7	54.8	29.5	96.8		
																			
<b>20 AWG Stranded (7x28) .038" TC Conductors • Twisted Pairs • Beldfoil® Inner + Overall Duofoil® (100% Coverage) + TC Braid Shield (95% Cov.)</b>																			
<b>Plenum • Ethernet • Foam FEP Insulation (Data) • Solid FEP Insulation (Power) • Brown Fluorocopolymer Jacket</b>																			
	<b>89892</b> 	NEC: CMP CEC: CMP	4	Gray/White, Yellow/Orange, Blue/Green, Red/Black	500 1000	152.4 304.8	50.0 101.0	22.7 45.9	20 AWG (7x28) .038" Tinned Copper 9.5Ω/M' 31.2Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 1.5Ω/M' 4.9Ω/km	.359 9.1	22 AWG (7x30) Tinned Copper	78 78%	16.7	54.8	29.5	96.8		
																			
<b>20 and 22 AWG Stranded TC Conductors • Twisted Pairs • Beldfoil® Inner Shield (100% Coverage) + Overall TC Braid Shield (95% Coverage)</b>																			
<b>Non-Plenum • Ethernet • Foam HDPE (22 AWG) and PVC (20 AWG) Insulation • Light Blue PVC Jacket</b>																			
UL AWM Style 2919 (30V 80°C)	<b>9891</b> 	NEC: CM CEC: CM	4	Black/White, Yellow/Orange, Blue/Green, Gray/Purple	100 500 1000	30.4 152.4 304.8	7.4 36.0 70.0	3.7 16.3 16.3	3 Pair: (7x28) 22 AWG (7x30) TC 14.7Ω/M' 48.23Ω/km Foam HDPE Insulation 1 Pair: 20 AWG (7x28) TC 9.5Ω/M' 31.1Ω/km PVC Insulation	Each Pair Individually Beldfoil® Shielded, Overall Duofoil + 95% Tinned Copper Braid 1.8Ω/M' 5.9Ω/km	.316 8.0	22 AWG (7x30) Tinned Copper	78* 78%*	16.7*	54.8*	29.5*	96.8*		
																			

\*3 Pairs



DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\* Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

 Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

**IEEE 802.4 MAP & Mini-MAP • IEEE 802.7****Broadband Coaxial Cables**

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation				
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m		
<b>RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV* Quad Shield (100% Coverage)</b>																					
<b>Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket</b>																					
	<b>3131A</b>	NEC:	1000 **	304.8	41.0	18.6	18 AWG	.180	4.57	Duobond IV	.300	7.62	75	82%	16.2	53.1	1	.35	1.2		
		CL2R,	2500 †	762.2	102.5	46.5	(solid)			Quad Shield								2	.38	1.3	
		CMR					.040"			3.6Ω/M'								5	.45	1.5	
		CEC:					BCCS			11.8Ω/km								10	.59	1.9	
		CMG					28.0Ω/M'											20	.86	2.8	
							91.8Ω/km												50	1.37	4.5
																			100	1.97	6.5
																			200	2.82	9.3
																			300	3.48	11.4
																			400	4.04	13.3
Tap marks every 2.6 meters to aid users in installation.																					
<b>Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket</b>																					
	<b>3132A</b>	NEC:	1000 **	304.8	36.0	16.4	18 AWG	.170	4.32	Duobond IV	.274	6.96	75	82%	16.3	53.5	1	.36	1.2		
		CMP					(solid)			Quad Shield								2	.38	1.3	
		CEC:					.040"			3.6Ω/M'								5	.50	1.6	
		CMP					BCCS			11.8Ω/km								10	.65	2.1	
							28.0Ω/M'												20	.95	3.1
							91.8Ω/km												50	1.50	4.9
																			100	2.12	7.0
																			200	2.99	9.8
																			300	3.66	12.0
																			400	4.23	13.9
Tap marks every 2.6 meters to aid users in installation. Suitable for Outdoor and Direct Burial applications.																					

BCCS = Bare Copper Covered Steel • DCR = DC Resistance

\*Duobond IV Quad Shield = Duobond + 60% aluminum braid + Duofoil® + 40% aluminum braid.


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

\*\*1000' exact 1 pc.

 Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.



**IEEE 802.4 MAP & Mini-MAP • IEEE 802.7****Broadband Coaxial Cables**

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
<b>RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV* Quad Shield (100% Coverage)</b>																			
<b>Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket</b>																			
	<b>3094A</b>	NEC:	500 **	152.4	31.0	14.1	14 AWG	.280	7.11	Duobond IV	.407	10.34	75	82%	16.2	53.1	1	.16	.5
		CL2R,	1000 **	304.8	62.0	28.2	(solid)			Quad Shield							2	.18	.6
		CMR,	2000 †	609.6	122.0	55.3	.064"			1.5Ω/M'							5	.26	.9
		CEC:					BCCS			4.9Ω/km							10	.38	1.2
		CMG					11.0Ω/M'										20	.55	1.8
							36.1Ω/km										50	.83	2.7
																	100	1.17	3.8
																	200	1.60	5.3
																	300	1.99	6.6
																	400	2.30	7.6
Tap marks every 2.6 meters to aid users in installation.																			
<b>Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket</b>																			
150°C	<b>3095A</b>	NEC:	1000 **	304.8	76.0	34.5	14 AWG	.280	7.11	Duobond IV	.387	9.83	75	82%	16.5	54.1	1	.17	.6
		CMP					(solid)			Quad Shield							2	.22	.7
		CEC:					.064"			3.9Ω/M'							5	.28	.9
		CMP					BCCS			12.8Ω/km							10	.40	1.3
							11.0Ω/M'										20	.60	2.0
							36.1Ω/km										50	1.20	3.9
																	100	1.70	5.6
																	200	2.50	8.2
																	300	3.04	10.0
																	400	3.50	11.5
Tap marks every 2.6 meters to aid users in installation. Suitable for Outdoor and Direct Burial applications.																			

BCCS = Bare Copper Covered Steel • DCR = DC Resistance

\*Duobond IV Quad Shield = Duobond + 60% aluminum braid + Duofoil® + 40% aluminum braid.

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

\*\*500' &amp; 1000' exact 1 pc.

 Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

**IEEE 802.5; ISO/IEC 8802.5**

## IBM Cabling System

## Types 1A and 1

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 1A • 22 AWG** Solid BC Conductors • Each Pair Individually Beldfoil® Shielded + Overall TC Braid Shield (65% Coverage) • Rip Cord

**Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket**

<b>IBM Part No.</b>	<b>9688</b>	NEC:	2	500 <sup>†</sup>	152.4	26.5	12.0	.296	7.52	22	100%	150	8.5	27.9	4	6.7	2.2	58.0	58.0
4716748		CMG:		1000 <sup>†</sup>	304.8	50.0	22.7	x	x	(solid)	Beldfoil				16	13.4	4.4	50.4	50.4
33G2772		CEC:		2000 <sup>†</sup>	609.8	102.0	46.3	.431	10.95	BC	Each Pair				100	37.5	12.3	38.5	38.5
		CMG:		3600 <sup>†</sup>	1097.6	190.8	86.5			.026"	+ 65%				300	65.2	21.4	31.3	31.3
										16.7Ω/M'	TC Braid				100 <sup>††</sup>	40.8	13.4	—	—
										54.7Ω/km	Overall				300 <sup>††</sup>	71.0	23.3	—	—
															600 <sup>††</sup>	100.3	32.9	—	—



Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. For Token Ring (4/16 Mbps), FDDI over copper, and video applications. IBM qualified Type 1A Media cable for use in IBM Cabling Systems. For Non-suffix "A" Type IBM Product, see 1634A below.

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

<b>IBM Part No.</b>	<b>82688</b>	NEC:	2	1000 <sup>†</sup>	304.8	47.0	21.4	.248	6.30	22	100%	150	8.5	27.9	4	6.7	2.2	58.0	58.0
4716749		CMP:						x	x	(solid)	Beldfoil				16	13.4	4.4	50.4	50.4
33G8220		CEC:						.348	8.84	BC	Each Pair				100	37.5	12.3	38.5	38.5
		CMP:								.026"	+ 65%				300	65.2	21.4	31.3	31.3
										16.7Ω/M'	TC Braid				100 <sup>††</sup>	40.8	13.4	—	—
										54.7Ω/km	Overall				300 <sup>††</sup>	71.0	23.3	—	—
															600 <sup>††</sup>	100.3	32.9	—	—



Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. IBM qualified Type 1A Media cable for use in IBM Cabling Systems. For Token Ring (4/16 Mbps), FDDI over copper, and video applications.

**IBM Type 1 • 22 AWG** Solid BC Conductors • Each Pair Individually Beldfoil Shielded + Overall TC Braid Shield (65% Coverage) • Rip Cord

**Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket**

<b>IBM Part No.</b>	<b>1634A</b>	NEC:	2	1000 <sup>†</sup>	304.8	50.0	22.7	.296	7.52	22	100%	150	8.5	27.9	4	6.7	2.2	58.0	58.0
4716748		CMG:		2000 <sup>†</sup>	609.8	102.0	46.4	x	x	(solid)	Beldfoil				16	13.4	4.4	40.0	40.0
		CEC:		3600 <sup>†</sup>	1097.6	190.8	86.7	.431	10.95	BC	Each Pair								
		CMG:								.026"	+ 65%								
										17.4Ω/M'	TC Braid								
										57.1Ω/km	Overall								



Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. For Token Ring (4/16 Mbps), FDDI over copper, and video applications. IBM qualified Type 1 Media cable for use in IBM Cabling Systems. For Suffix A counterpart see 9688 above.

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

\* Capacitance between conductors

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

†† Common mode

⚠ Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

**BELDEN**

For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

**IEEE 802.5; ISO/IEC 8802.5**

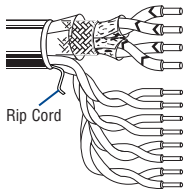
## IBM Cabling System

## 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	—	—

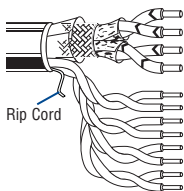


For Plenum version of 9689, see 82689.

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			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

⚠ Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

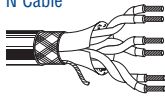
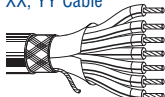
Teflon is a DuPont trademark.

**BELDEN**

For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

## IBM RISC System/6000

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs/ Cond.	Standard Lengths		Standard Unit Wt.		Nominal OD		AWG (stranding) Material Nom. DCR	Shielding Material Nom. DCR	Nom. Imped. ( $\Omega$ )	Nominal Capacitance			
				Ft.	m	Lbs.	kg	Inch	mm				* pF/Ft.	* pF/m	** pF/Ft.	** pF/m
<b>28 AWG Stranded (7x36) Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shielded + TC Braid Shield (65% Coverage) • TC Drain Wire</b>																
<b>Non-Plenum • Patented Step Polyolefin Insulation • Gray PVC Jacket (See RISC Color Code Chart below)</b>																
<b>IBM Part No.</b> N Cable	<b>1538A</b>	NEC: CL2	3	U-1000 1000	U-304.8 304.8	24.0 25.0	10.9 11.4	.225 5.72	28 (7x36)	Overall Beldfoil + 65% TC Braid 5.5 $\Omega$ /M' 18.0 $\Omega$ /km	120	12.0	39.4	21.5	70.5	
									Bare Copper 63.0 $\Omega$ /M' 207.0 $\Omega$ /km							
RJ-45 compatible																
<b>IBM Part No.</b> XX, YY Cable	<b>1540A</b>	NEC: CL2	7/c	U-1000 1000	U-304.8 304.8	21.0 21.0	9.5 9.5	.190 4.83	28 (7x36)	Overall Beldfoil + 65% TC Braid 7.2 $\Omega$ /M' 23.6 $\Omega$ /km	—	12.5	41.0	23.0	75.5	
									Bare Copper 63.0 $\Omega$ /M' 207.0 $\Omega$ /km							
RJ-45 compatible																

DC = DC Resistance • TC = Tinned Copper

\* Capacitance between conductors

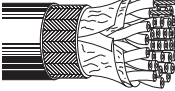

\*\* Capacitance between one conductor and other conductors connected to shield

### Color Codes: IBM RISC System/6000

Cond.	Color	Pair No.	Color Combination
1st	White over Blue	1	White over Blue & Blue over White
2nd	White over Orange	2	White over Orange & Orange over White
3rd	White over Green		
4th	White over Brown	3	White over Green & Green over White
5th	White over Gray		
6th	White over Red		
7th	White over Yellow		

## SCSI 25- and 34-Pair Cable

(Small Computer System Interface)

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Weight		Nominal OD		AWG (stranding) Material Nom. DCR	Shielding Material Nom. DCR	Nom. Imped. ( $\Omega$ )	Nom. Vel. of Prop.	Nominal Capacitance			
				Ft.	m	Lbs.	kg	Inch	mm					* pF/Ft.	* pF/m	** pF/Ft.	** pF/m
<b>SCSI • 28 AWG Stranded (7x36) TC Conductors • Twisted Pairs • Overall Beldfoil® Shield + TC Braid Shield (85% Coverage) • See Color Code Chart (below)</b>																	
<b>Non-Plenum • Flame-retardant Polyolefin Insulation • Polypropylene Buffer Layer • Light Gray PVC Jacket</b>																	
150V	<b>1401A</b>	NEC: CL2, CMG CEC: CMG	25	500 1000	152.4 304.8	51.5 101.0	23.4 45.9	.420	10.7	28 (7x36) TC 64.9 $\Omega$ /M' 212.9 $\Omega$ /km	Overall Beldfoil + 85% TC Braid 2.0 $\Omega$ /M' 6.6 $\Omega$ /km	120† 80††	66%	12.7	41.7	30.0	98.4
																	
150V	<b>1403A</b>	NEC: CL2, CM CEC: CM	34	500 1000	152.4 304.8	71.5 139.0	32.5 63.2	.480	12.2	28 (7x36) TC 64.9 $\Omega$ /M' 212.2 $\Omega$ /km	Overall Beldfoil + 85% TC Braid 1.5 $\Omega$ /M' 4.9 $\Omega$ /km	120† 80††	66%	12.7	41.7	30.0	98.4
																	

DCR = DC Resistance • TC = Tinned Copper

\* Capacitance between conductors.

\*\* Capacitance between one conductor and other conductors connected to shield.

† Differential mode impedance.

†† Single end mode termination impedance.

### Color Codes: Modified Western Electric Standard

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	White/Blue Stripe & Blue/White Stripe	9	Red/Brown Stripe & Brown/Red Stripe	17	Yellow/Orange Stripe & Orange/Yellow Stripe	25	Purple/Gray Stripe & Gray/Purple Stripe
2	White/Orange Stripe & Orange/White Stripe	10	Red/Gray Stripe & Gray/Red Stripe	18	Yellow/Green Stripe & Green/Yellow Stripe	26	White & Blue
3	White/Green Stripe & Green/White Stripe	11	Black/Blue Stripe & Blue/Black Stripe	19	Yellow/Brown Stripe & Brown/Yellow Stripe	27	White & Orange
4	White/Brown Stripe & Brown/White Stripe	12	Black/Orange Stripe & Orange/Black Stripe	20	Yellow/Gray Stripe & Gray/Yellow Stripe	28	White & Green
5	White/Gray Stripe & Gray/White Stripe	13	Black/Green Stripe & Green/Black Stripe	21	Purple/Blue Stripe & Blue/Purple Stripe	29	White & Brown
6	Red/Blue Stripe & Blue/Red Stripe	14	Black/Brown Stripe & Brown/Black Stripe	22	Purple/Orange Stripe & Orange/Purple Stripe	30	White & Gray
7	Red/Orange Stripe & Orange/Red Stripe	15	Black/Gray Stripe & Gray/Black Stripe	23	Purple/Green Stripe & Green/Purple Stripe	31	Red & Blue
8	Red/Green Stripe & Green/Red Stripe	16	Yellow/Blue Stripe & Blue/Yellow Stripe	24	Purple/Brown Stripe & Brown/Purple Stripe	32	Red & Orange
						33	Red & Green
						34	Red & Brown