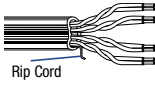
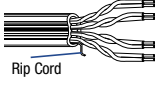


VideoTwist® 6 U/UTP Cables for RGB Video

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

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ()	Min. RL dB	
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m			
NanoSkew™ • Category 6 • 23 AWG Bonded-Pairs • Solid 0.6 mm Bare Copper • Skew 10.0 ns/100 m Nominal • Rip Cord																				
Polyolefin Insulation • Blue PVC Jacket																				
 <p>Rip Cord</p>	300V RMS	7989R	NEC	1000	305	32.0	14.5	0.57 mm	0.042	1.06	Bonded-Pair	0.365	9.27	1	2.0	72.3	70.3	64.8	100 ± 15	20.0
			CMR	1640	500	52.5	23.8	23 AWG			Unshielded	x	x	8	3.8	63.3	59.5	52.7	100 ± 15	23.0
			CEC					Solid BC			U/UTP	0.165	4.19	10	6.0	57.3	51.3	44.8	100 ± 15	25.0
			CMR FT4											16	7.6	54.3	46.7	40.7	100 ± 15	25.0
														20	8.5	52.8	44.3	38.7	100 ± 15	25.0
														25	9.5	51.4	41.8	36.8	100 ± 15	24.3
														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
														155	25.2	39.5	14.3	20.9	100 ± 22	18.8
														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

Color Code: see chart below

Plenum • Polyolefin Insulation • Blue PVC Jacket																					
 <p>Rip Cord</p>	300V RMS	7989P	NEC	1000	305	32.0	14.5	0.57 mm	0.039	1.00	Bonded-Pair	0.365	9.27							see above	
			CMR	1640	500	52.5	23.8	23 AWG			Unshielded	x	x								
			CEC					Solid BC			U/UTP	0.165	4.19								
			CMR FT4																		

Color Code: see chart below

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

Pair No.	Color
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 15.37 for details.
(Part No. 1797B)

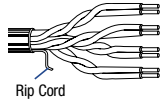


VideoTwist® 5e U/UTP Cables for RGB Video

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

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ()	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		

Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm Bare Copper • Twisted Pair • Skew 9.0 ns/100 nom. • Rip Cord

Polypropylene Insulation • Green PVC Jacket																					
 <p>Rip Cord</p>	7988R	NEC:	1000	305	22.0	10.0	0.51 mm 24 AWG Solid BC	0.038	0.97	Bonded-Pair Unshielded U/UTP	0.204	5.18	1	2.0	65.3	60.3	60.8	100 ± 15	20.0		
		CMR:	1640	500	36.2	16.4									4	4.1	53.3	49.3	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 ± 15	15.0										

4-Pair

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2, Category 5e
Jacket sequentially marked at 0.6 m intervals.

Plenum • FEP Insulation • Green Flamarrest® Jacket																			
 <p>Rip Cord</p>	7988P	NEC:	1000	305	22.9	10.4	0.51 mm 24 AWG Solid BC	0.036	0.91	Bonded-Pair Unshielded U/UTP	0.193	4.90	see above						
		CMF:	1640	500	37.7	17.1													
		CEC:																	
		CMF:																	

4-Pair

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2, Category 5e
Jacket sequentially marked at 0.6 m intervals.

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

Pair No.	Color
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 15.37 for details.
(Part No. 1797B)



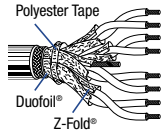
IEEE 802.3, ISO/IEC 8802.3 10Base5

Transceiver Cables

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	

28 and 24 AWG • Stranded (7x36) 0.4 mm and (7x32) 0.6 mm Tinned Copper • **Beldfoil**® • Twisted Pair •**Overall Polyester Isolation Tape + Duofoil® + 92% Tinned Copper Braid + 24 AWG Tinned Copper Drain Wire**

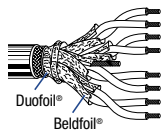
Polypropylene Insulation • Light Grey PVC Jacket																		
30V 80°C UL AWM Style 2919	9903	NEC: CMG CEC: CMG	500 1000	152 305	21.6 43.0	9.8 19.5	3-Pair: 0.38 mm 28 AWG (7x36) TC 1-Pair: 0.61 mm 24 AWG (7x32) TC	0.033 0.044	0.84 1.12	Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Duofoil® + 92% TC Braid	0.250 0.250	6.35 6.35	78* 78*	66% 66%	CDR/CDR CDR/CDR	19.7 34.8 114.2	64.6 114.2	Grey/White, Yellow/Orange Blue/Green, Black/Red



 4-Pair
 * 3-Pair

20 AWG • Stranded (7x28) 1.0 mm Tinned Copper • **Beldfoil**® • Twisted Pair •**Overall Polyester Isolation Tape + Duofoil® + 95% Tinned Copper Braid + 22 AWG Tinned Copper Drain Wire**

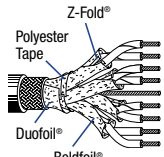
Datalene® Insulation • Light Grey PVC Jacket																		
30V 80°C UL AWM Style 2919	9901	NEC: CL2, CM CEC: CM	500 1000	152 305	53.6 106.3	24.3 48.2	1.0 mm 20 AWG (7x28) TC	0.077 0.077	1.96 1.96	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.415 0.415	10.54 10.54	78 78	78% 78%	CDR/CDR CDR/CDR	16.7 29.5 96.8	54.8 96.8	Grey/White Yellow/Orange, Blue/Green, Black/Red



 4-Pair
 DEC Part No. 17-01320-00

Plenum • FEP Teflon® Insulation • Light Grey Fluorocopolymer (PVDF) Jacket**

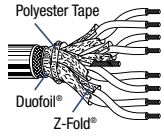
150°C	89901	NEC: CMP CEC: CMP	** 500 ** 1000	152 305	51.6 104.3	23.4 47.3	1.0 mm 20 AWG (7x28) TC	0.060 0.060	1.52 1.52	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.370 0.370	9.40 9.40	78 78	78% 78%	CDR/CDR CDR/CDR	16.7 29.5 96.8	54.8 96.8	Grey/White Yellow/Orange, Blue/Green, Black/Red
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 4-Pair
 DEC Part No. 17-01319-00
 Suitable for outdoor and direct burial applications.

20 and 22 AWG • Stranded (7x30) 0.8 mm and (7x28) 1.0 mm Tinned Copper • **Beldfoil**® • Twisted Pair •**Overall Duofoil® + 95% Tinned Copper Braid + 22 AWG Tinned Copper Drain Wire**

Ethernet • Foam HDPE (22 AWG) and PVC (20 AWG) Insulation • Light Blue PVC Jacket																		
30V 80°C UL AWM Style 2919	9891	NEC: CM CEC: CM	100 500 1000	30 152 305	8.2 35.9 70.1	3.7 16.3 31.8	3-Pair: 0.76 mm 22 AWG (7x30) TC 1-Pair: 0.96 mm 20 AWG (7x28) TC	0.063 0.062	1.59 1.57	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.315 0.315	8.00 8.00	78* 78*	78% 78%	CDR/CDR CDR/CDR	16.7 29.5 96.8	54.8 96.8	Black/White Yellow/Orange, Blue/Green, Black/Red Blue/Green, Grey/Violet



 4-Pair
 * 3-Pair

TC = Tinned Copper • DCR = DC resistance • ** Foam FEP (data pairs) and solid FEP (power pair).
 Duofoil® see technical information page 23.13. Teflon® is a DuPont trademark.

 Not RoHS compliant at time of printing

IEEE 802.4, MAP & Mini-MAP, IEEE 802.7

Broadband Coaxial Cables

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	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/ 100 m
14 AWG • Solid 1.6 mm Copper-Covered Steel • Duobond® IV Quad Shield																			
Gas-Injected Foam Polyethylene Insulation • Grey PVC Jacket																			
	3094A	NEC:	500	152	31.1	14.1	1.63 mm	0.280	7.11	Duobond® IV	0.407	10.34	75	82%	16.2	53.1	1	0.2	0.5
		CL2R	1000	305	62.2	28.2	14 AWG			Quad Shield							2	0.2	0.6
		CMR	† 2000	610	121.9	55.3	Solid CCS			4.9 /km***							5	0.3	0.9
		CEC:					20.0 /km*			7.9 mm							10	0.4	1.2
		CMG					36.1 /km**										20	0.5	1.8
																	50	0.8	2.7
																	100	1.2	3.8
																	200	1.6	5.3
																	300	2.0	6.6
																	400	2.3	7.6



RG-11/U Type

Tap marks every 2.6 meters to aid users in installation.
152 m and 305 m exact 1 pc.

Sweep tested 5 MHz to 400 MHz.
CPE jacket optional.

IEEE 802.5, ISO/IEC 8802.5

IBM Cabling System

Types 1A and 1

De- Description	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	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/ 100 m
IBM Type 1a • 22 AWG • Solid 0.6 mm Bare Copper • Each Pair Individually Beldfoil® Shielded • 65% Overall Tinned Copper Braid • Rip Cord																			
Flame-Retardant Foam Polyethylene Insulation • Black PVC Jacket																			
	IBM Part No. 9688	NEC:	† 500	152	26.5	12.0	0.64 mm	0.099	2.51	Individual	0.296	7.52	150	–	8.5	27.9	4	0.7	2.2
	4716748	CMG	† 1000	305	50.0	22.7	22 AWG			Beldfoil®	x	x					16	1.3	4.4
	33G2772	CEC:	† 2000	610	102.1	46.3	Solid BC			+ Overall	0.431	10.95					100	3.8	12.3
		CMG	† 3600	1098	190.7	86.5				65% TC Braid							300	6.5	21.4
																	100 ††	4.1	13.4
																	300 ††	7.1	23.3
																	600 ††	10.0	32.9



Rip Cord



2-Pair

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.

IBM Type 1 • 22 AWG • Solid 0.6 mm Bare Copper • Each Pair Individually Beldfoil® Shielded • 65% Overall Tinned Copper Braid • Rip Cord

De- Description	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	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/ 100 m
IBM Type 1 • 22 AWG • Solid 0.6 mm Bare Copper • Each Pair Individually Beldfoil® Shielded • 65% Overall Tinned Copper Braid • Rip Cord																			
Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket																			
	IBM Part No. 1634A	NEC:	† 1000	305	50.0	22.7	0.64 mm	0.099	2.51	Individual	0.296	7.52	150	–	8.5	27.9	4	0.7	2.2
	4716748	CMG	† 2000	610	102.3	46.4	22 AWG			Beldfoil®	x	x					16	1.3	4.4
		CEC:	† 3600	1098	191.1	86.7	Solid BC			+ Overall	0.431	10.95							
		CMG								65% TC Braid									



Rip Cord



2-Pair

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.

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • CCS = Copper-Covered Steel • TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance
† Spools are one piece, but length may vary ±10% from length shown.
†† Common mode

Duobond® IV see technical information page 23.13.

Not RoHS compliant at time of printing

