

DataTwist® 600e UTP Cable

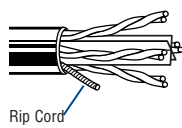
TIA/EIA-568-B.2-1, Category 6

Enhanced Category 6 Bonded-Pair Cables

Certified System Cable

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										

23 AWG Bonded-Pairs Solid Bare Copper Conductors • Patented E-Spline Center Member • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Black, White or Gray)

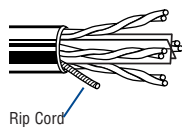
	7851A	NEC: CMR CEC: CMR	4	1000	304.8	38.0	17.2	.227	5.77	8.2	3.0	65.6	1	1.9	80.3	78.5	70.8	100±12	20.0
				A-1000	A-304.8	47.0	21.3	x	x				10	5.7	65.3	59.6	50.8	100±12	25.0
								.315	8.00				31.25	10.2	57.9	47.7	40.9	100±15	25.0
													62.5	14.7	53.4	38.7	34.9	100±15	25.0
													100	18.9	50.3	31.4	30.8	100±15	25.0
													155	23.9	47.5	23.5	27.0	100±15	22.8
													200	27.5	45.8	18.3	24.8	100±15	21.7
													250	31.2	44.3	13.2	22.8	100±20	20.5
													350	37.7	40.2	4.5	19.9	100±22	19.8
													400	40.6	39.3	0.6	18.8	100±22	19.5
													500	46.2	37.8	>0*	16.8	100±22	18.4
													550	48.8	37.2	—	16.0	100±22	18.0
													600	51.4	36.6	—	15.2	100±22	17.6

Third party verified to TIA/EIA-568-B.2-1, Category 6

U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1

Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking.

Non-Plenum • Polyolefin Insulation • Gray Haloarrest® Jacket

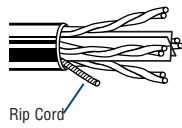
	7851NH	NEC: CMR CEC: CMR	4	1000	304.8	39.0	17.7	.241	6.12	8.2	3.0	65.6	1	1.9	80.3	78.5	70.8	100±12	20.0
				A-1000	A-304.8	48.0	21.8	x	x				10	5.7	65.3	59.6	50.8	100±12	25.0
								.329	8.36				31.25	10.2	57.9	47.7	40.9	100±15	25.0
													62.5	14.7	53.4	38.7	34.9	100±15	25.0
													100	18.9	50.3	31.4	30.8	100±15	25.0
													155	23.9	47.5	23.5	27.0	100±15	22.8
													200	27.5	45.8	18.3	24.8	100±15	21.7
													250	31.2	44.3	13.2	22.8	100±20	20.5
													350	37.7	40.2	4.5	19.9	100±22	19.8
													400	40.6	39.3	0.6	18.8	100±22	19.5
													500	46.2	37.8	>0*	16.8	100±22	18.4
													550	48.8	37.2	—	16.0	100±22	18.0
													600	51.4	36.6	—	15.2	100±22	17.6

Third party verified to TIA/EIA-568-B.2-1, Category 6

U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1

Jacket sequentially marked at 1 meter intervals. Features Descending Length Marking.

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Black, White or Gray)

	7852A	NEC: CMP CEC: CMP	4	1000	304.8	40.0	18.1	.218	5.54	8.2	3.0	65.6	1	1.9	80.3	78.5	70.8	100±12	20.0
				A-1000†	A-304.8	49.0	22.2	x	x				10	5.7	65.3	59.6	50.8	100±12	25.0
								.290	7.37				31.25	10.2	57.9	47.7	40.9	100±15	25.0
													62.5	14.7	53.4	38.7	34.9	100±15	25.0
													100	18.9	50.3	31.4	30.8	100±15	25.0
													155	23.9	47.5	23.5	27.0	100±15	22.8
													200	27.5	45.8	18.3	24.8	100±15	21.7
													250	31.2	44.3	13.2	22.8	100±20	20.5
													350	37.7	40.2	4.5	19.9	100±22	19.8
													400	40.6	39.3	0.6	18.8	100±22	19.5
													500	46.2	37.8	>0*	16.8	100±22	18.4
													550	48.8	37.2	—	16.0	100±22	18.0
													600	51.4	36.6	—	15.2	100±22	17.6

† A-1000 ft. put-up not available in Red.

Third party verified to TIA/EIA-568-B.2-1, Category 6

U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1

Jacket sequentially marked at 2 ft. intervals. Features descending Length marking.

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)

*PSUM ACR >0 is guaranteed to 460 MHz

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

DataTwist 600e: Beyond Category 6

Belden® DataTwist 600e data cable is a revolutionary UTP cable engineered specifically to perform well beyond Category 6 standards. While Category 6 cable is specified only to 250 MHz, DataTwist 600e is the only Cat 6 UTP cable in the industry fully characterized with guaranteed performance to 600 MHz. So users have far more headroom to compensate for unforeseen factors that can inhibit the performance of a cabling system today...and protection of their technology investment for the future.

Handy Cable Preparation Tool Speeds Installation Of Bonded-Pair Cables

You know the high performance benefits of using data cables featuring Belden's unique Bonded-Pair technology. The Belden Cable Preparation Tool (1797B) now makes it faster and easier than ever to prepare cables for connector termination providing special features that help separate twisted pairs. The Cable Preparation Tool is packed with every spool of DataTwist 600e. See page 15.40 for more information.

**Color Codes: DataTwist 600e**

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

Teflon is a DuPont trademark.

GigaFlex 4800LX Cable Series

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

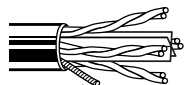
Enhanced Category 6 Nonbonded-pair Cables

Certified System Cable

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										

23 AWG Solid Bare Copper Conductors • Twisted Pairs • Central Cross Web Filler • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket**

White - Reel	24586385	NEC:	4	1000	304.8	29.1	13.2	.245	6.22	6.6	3.0	50	0.772	1.7	80.0	78.3	74.0	100±12	—
Blue - Reel	24586985	CMR											1.0	1.8	78.3	76.5	71.8	100±12	20.0
		CEC:											4.0	3.4	69.3	65.9	59.7	100±12	23.0
		CMR											8.0	4.8	64.8	60.0	53.7	100±12	25.0
													10.0	5.3	63.3	58.0	51.8	100±12	25.0
													16.0	6.8	60.3	53.5	47.7	100±12	25.0
													20.0	7.6	58.8	51.2	45.7	100±12	25.0
													25.0	8.5	57.3	48.8	43.8	100±15	24.6
													31.25	9.6	55.9	46.3	41.9	100±15	24.2
													62.5	13.8	51.4	37.6	35.8	100±15	23.0
													100.0	17.8	48.3	30.5	31.8	100±15	22.1
													200.0	26.2	43.8	17.6	25.7	100±15	20.9
													250.0	29.7	42.3	12.6	23.8	100±20	20.5
													300.0	33.0	41.2	8.2	22.2	100±20	20.2
													350.0	36.1	40.2	4.1	20.9	100±22	19.9
													400.0	39.0	39.3	0.3	19.7	100±22	19.7
													450.0 [†]	41.8	38.5	-3.3	18.7	100±22	19.5
													500.0 [†]	44.5	37.8	-6.7	17.8	100±22	19.3
													550.0 [†]	47.1	37.2	-9.9	16.9	100±22	19.1



Rip Cord

Jacket sequentially marked at 2 ft. intervals.

Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-B.2-1, Category 6

Non-Plenum • Polyolefin Insulation - LSZH Polymer Alloy

Purple - Reel	24588085	NEC:	4	1000	304.8	31.1	14.1	.246	6.10	6.6	3.0	50	0.772	1.7	80.0	78.3	74.0	100±12	—
		CMR											1.0	1.8	78.3	76.5	71.8	100±12	20.0
		CEC:											4.0	3.4	69.3	65.9	59.7	100±12	23.0
		CMR											8.0	4.8	64.8	60.0	53.7	100±12	25.0
													10.0	5.3	63.3	58.0	51.8	100±12	25.0
													16.0	6.8	60.3	53.5	47.7	100±12	25.0
													20.0	7.6	58.8	51.2	45.7	100±12	25.0
													25.0	8.5	57.3	48.8	43.8	100±15	24.6
													31.25	9.6	55.9	46.3	41.9	100±15	24.2
													62.5	13.8	51.4	37.6	35.8	100±15	23.0
													100.0	17.8	48.3	30.5	31.8	100±15	22.1
													200.0	26.2	43.8	17.6	25.7	100±15	20.9
													250.0	29.7	42.3	12.6	23.8	100±20	20.5
													300.0	33.0	41.2	8.2	22.2	100±20	20.2
													350.0	36.1	40.2	4.1	20.9	100±22	19.9
													400.0	39.0	39.3	0.3	19.7	100±22	19.7
													450.0 [†]	41.8	38.5	-3.3	18.7	100±22	19.5
													500.0 [†]	44.5	37.8	-6.7	17.8	100±22	19.3
													550.0 [†]	47.1	37.2	-9.9	16.9	100±22	19.1



Rip Cord

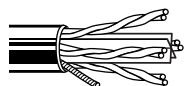
Jacket sequentially marked at 2 ft. intervals.

Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-B.2-1, Category 6

Plenum • 100% FEP Insulation - LSZH Polymer Alloy

White - Reel	24587385	NEC:	4	1000	304.8	30.7	13.9	.229	5.81	6.6	3.0	50	0.772	1.7	80.0	78.3	74.0	100±12	—
Blue - Reel	24587985	CMP											1.0	1.8	78.3	76.5	71.8	100±12	20.0
		CEC:											4.0	3.4	69.3	65.9	59.7	100±12	23.0
		CMP											8.0	4.8	64.8	60.0	53.7	100±12	25.0
													10.0	5.3	63.3	58.0	51.8	100±12	25.0
													16.0	6.8	60.3	53.5	47.7	100±12	25.0
													20.0	7.6	58.8	51.2	45.7	100±12	25.0
													25.0	8.5	57.3	48.8	43.8	100±15	24.6
													31.25	9.6	55.9	46.3	41.9	100±15	24.2
													62.5	13.8	51.4	37.6	35.8	100±15	23.0
													100.0	17.8	48.3	30.5	31.8	100±15	22.1
													200.0	26.2	43.8	17.6	25.7	100±15	20.9
													250.0	29.7	42.3	12.6	23.8	100±20	20.5
													300.0	33.0	41.2	8.2	22.2	100±20	20.2
													350.0	36.1	40.2	4.1	20.9	100±22	19.9
													400.0	39.0	39.3	0.3	19.7	100±22	19.7
													450.0 [†]	41.8	38.5	-3.3	18.7	100±22	19.5
													500.0 [†]	44.5	37.8	-6.7	17.8	100±22	19.3
													550.0 [†]	47.1	37.2	-9.9	16.9	100±22	19.1



Rip Cord

Jacket sequentially marked at 2 ft. intervals.

Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-B.2-1, Category 6

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)

[†]Values provided for information only.**Color Codes: GigaFlex 4800LX**

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® UTP Cable

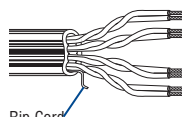
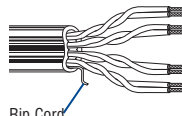
TIA/EIA-568-B.2-1, Category 6

Enhanced Category 6 Bonded-Pair Cables

Certified System Cable

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										

23 AWG Bonded-Pairs Solid Bare Copper Conductor • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Blue, Red, Yellow, Orange, Green, Gold, Purple, White, Black or Gray)

	1872A	NEC: CMR CEC: CMR	4	1000	304.8	37.0	16.8	.365	9.27	9.0	3.0	49.2	1	1.9	72.3	70	64.8	100±12	20.0
				A-1000 *	A-304.8	37.0	16.8	x	x				4	3.7	63.3	59	52.8	100±12	23.0
								.165	4.19				8	5.3	58.8	53	46.7	100±12	24.5
													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
	1874A	NEC: CMP CEC: CMP	4	1000	304.8	37.0	16.8	.365	9.27	9.0	3.0	49.2	1	1.9	72.3	70	64.8	100±12	20.0
				A-1000 **	A-304.8	38.0	17.2	x	x				4	3.7	63.3	59	52.8	100±12	23.0
								.165	4.19				8	5.3	58.8	53	46.7	100±12	24.5
													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

*A-1000 ft. put-up not available in Black.

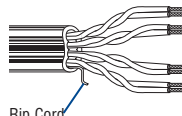
Features Descending Length Marking.

Jacket sequentially marked at 2 ft. intervals.

U.S. Patents 5,606,151; 5,734,126; 5,821,467

Third party verified to TIA/EIA-568-B.2-1, Category 6

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Blue, Natural, Gray, Red, Yellow, Orange, Green, Gold, Purple, White or Black)

	1874A	NEC: CMP CEC: CMP	4	1000	304.8	37.0	16.8	.365	9.27	9.0	3.0	49.2	1	1.9	72.3	70	64.8	100±12	20.0
				A-1000 **	A-304.8	38.0	17.2	x	x				4	3.7	63.3	59	52.8	100±12	23.0
								.165	4.19				8	5.3	58.8	53	46.7	100±12	24.5
													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

**A-1000 ft. put-up not available in Black.

Features Descending Length Marking.

Jacket sequentially marked at 2 ft. intervals.

U.S. Patents 5,606,151; 5,734,126; 5,821,467

Third party verified to TIA/EIA-568-B.2-1, Category 6

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)

*Values provided for information only.

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

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)



Teflon is a DuPont trademark.

GigaFlex 2400 Cable Series

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

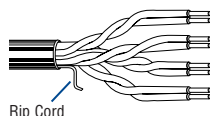
Enhanced Category 6 Nonbonded-pair Cables

Certified System Cable

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										

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket**

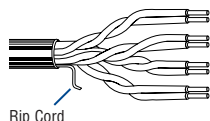
White, Reel-in-Box	24566315	NEC:	4	1000	304.8	26.0	11.8	.214	5.44	9.38	5.0	330	0.772	1.8	75.0	73.2	70.0	100±15	19.7
Blue, Reel-in-Box	24566915	CMR											1.0	2.0	73.3	71.3	67.8	100±15	20.0
White, Reel	24566345	CEC:											4.0	3.7	64.3	60.6	55.8	100±15	23.0
Blue, Reel	24566945	CMR											8.0	5.2	59.8	54.6	49.7	100±15	24.5
													10.0	5.8	58.3	52.5	47.8	100±15	25.0
													16.0	7.4	55.2	47.9	43.7	100±15	25.0
													20.0	8.3	53.8	45.5	41.8	100±15	25.0
													25.0	9.3	52.3	43.1	39.8	100±15	24.3
													31.25	10.4	50.9	40.5	37.9	100±15	23.6
													62.5	15.0	46.4	31.4	31.9	100±15	21.5
													100.0	19.3	43.3	24.0	27.8	100±15	20.1
													200.0	28.3	38.8	10.5	21.8	100±22	18.0
													250.0	32.1	37.3	5.3	19.8	100±32	17.3
													300.0 [†]	35.6	36.1	0.5	18.3	100±32	16.8
													350.0 [†]	38.9	35.1	-3.7	16.9	100±32	16.3
													400.0 [†]	42.0	34.3	-7.7	15.8	100±32	15.9
													450.0 [†]	45.0	33.5	-11.5	14.7	100±32	15.5



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

Non-Plenum • Polyolefin Insulation - LSZH Polymer Alloy

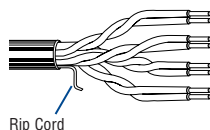
Purple, Reel	24568005	NEC:	4	1000	304.8	28.0	12.7	.214	5.44	9.38	5.0	330	0.772	1.8	75.0	73.2	70.0	100±15	19.7
		CMR											1.0	2.0	73.3	71.3	67.8	100±15	20.0
		CEC:											4.0	3.7	64.3	60.6	55.8	100±15	23.0
		CMR											8.0	5.2	59.8	54.6	49.7	100±15	24.5
													10.0	5.8	58.3	52.5	47.8	100±15	25.0
													16.0	7.4	55.2	47.9	43.7	100±15	25.0
													20.0	8.3	53.8	45.5	41.8	100±15	25.0
													25.0	9.3	52.3	43.1	39.8	100±15	24.3
													31.25	10.4	50.9	40.5	37.9	100±15	23.6
													62.5	15.0	46.4	31.4	31.9	100±15	21.5
													100.0	19.3	43.3	24.0	27.8	100±15	20.1
													200.0	28.3	38.8	10.5	21.8	100±22	18.0
													250.0	32.1	37.3	5.3	19.8	100±32	17.3
													300.0 [†]	35.6	36.1	0.5	18.3	100±32	16.8
													350.0 [†]	38.9	35.1	-3.7	16.9	100±32	16.3
													400.0 [†]	42.0	34.3	-7.7	15.8	100±32	15.9
													450.0 [†]	45.0	33.5	-11.5	14.7	100±32	15.5



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

Plenum • 100% FEP Insulation • Low-Smoke PVC Jacket

White, Reel-in-Box	24567315	NEC:	4	1000	304.8	24.0	10.9	.210	5.33	9.38	5.0	330	0.772	1.8	75.0	73.2	70.0	100±15	19.7
Blue, Reel-in-Box	24567915	CMP											1.0	2.0	73.3	71.3	67.8	100±15	20.0
White, Reel	24567345	CEC:											4.0	3.7	64.3	60.6	55.8	100±15	23.0
Blue, Reel	24567945	CMP											8.0	5.2	59.8	54.6	49.7	100±15	24.5
													10.0	5.8	58.3	52.5	47.8	100±15	25.0
													16.0	7.4	55.2	47.9	43.7	100±15	25.0
													20.0	8.3	53.8	45.5	41.8	100±15	25.0
													25.0	9.3	52.3	43.1	39.8	100±15	24.3
													31.25	10.4	50.9	40.5	37.9	100±15	23.6
													62.5	15.0	46.4	31.4	31.9	100±15	21.5
													100.0	19.3	43.3	24.0	27.8	100±15	20.1
													200.0	28.3	38.8	10.5	21.8	100±22	18.0
													250.0	32.1	37.3	5.3	19.8	100±32	17.3
													300.0 [†]	35.6	36.1	0.5	18.3	100±32	16.8
													350.0 [†]	38.9	35.1	-3.7	16.9	100±32	16.3
													400.0 [†]	42.0	34.3	-7.7	15.8	100±32	15.9
													450.0 [†]	45.0	33.5	-11.5	14.7	100±32	15.5



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

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)

[†]Values provided for information only.

Color Codes: GigaFlex 2400

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® 350 UTP Cable

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

Enhanced Category 5e Bonded-Pair Cables

Certified System Cable

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										

24 AWG Bonded-Pairs Solid Bare Copper Conductors • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Red, Orange, White, Black, Yellow, Green, Blue, Purple, Light Gray or Gray)

	1700A	NEC:	4	U-1000	U-304.8	22.0	10.0	.200	5.08	9.0	3.0	66.0	1	2.0	65.3	63.3	60.8	100±12	20.0	
		CM		1000†	304.8	22.0	10.0						4	4.0	56.3	52.3	48.8	100±12	23.0	
		CEC:		1640†	500.0	36.1	16.4						8	5.7	51.8	46.1	42.7	100±12	24.5	
		CM		3000†	914.4	63.0	28.6						10	6.4	50.3	43.9	40.8	100±12	25.0	
				3280†	1000.0	72.2	32.8						16	8.1	47.3	39.1	36.7	100±12	25.0	
	1702A*	NEC:	2x4	1000 *	304.8	45.0	20.4	.200	5.08					25	10.3	44.3	34.1	32.8	100±15	24.3
		CM		1640 *	500.0	73.8	33.5	x	x				31.25	11.6	42.9	31.3	30.9	100±15	23.6	
		CEC:											62.5	16.8	38.4	21.6	24.9	100±15	21.5	
		CM											100	21.7	35.3	17.1	20.8	100±15	20.1	
													155	27.7	32.5	4.7	16.9	100±18	19.0	
1700R	NEC:	4	U-1000 ††	U-304.8	22.0	10.0	.204	5.18					200	32.0	30.8	3.0	14.7	100±18	19.0	
	CMR		1000 ††	304.8	22.0	10.0						250	36.4	29.3	—	12.8	100±20	18.0		
	CEC:		3000 ††	914.4	63.0	28.6						350	44.3	27.2	—	9.9	100±22	17.0		
	CMR																			

*1702A is Siamese version of 1700A and is available in Blue or Light Gray only.

†1000 ft. put-up not available in Gray. 3000 ft. put-up available in Red, Blue, White or Lt. Gray only. 1640 ft. available in Lt. Gray or Blue only. 3280 ft. available in Lt. Gray only.

††1700R is not available in Black nor Medium Gray. 3000 ft. put-up available in Red, Blue, Purple, White or Light Gray only.

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

Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Gray, Yellow, Green, Blue, Purple, Natural or Black)

	1701A	NEC:	4	U-1000	U-304.8	23.0	10.5	.195	4.95	9.0	3.0	66.0	1	2.0	65.3	63.3	60.8	100±12	20.0
		CMP		1000	304.8	24.0	10.9						4	4.0	56.3	52.3	48.8	100±12	23.0
		CEC:		3000†	914.4	69.0	31.3						8	5.7	51.8	46.1	42.7	100±12	24.5
		CMP											10	6.4	50.3	43.9	40.8	100±12	25.0
													16	8.1	47.3	39.1	36.7	100±12	25.0
													25	10.3	44.3	34.1	32.8	100±15	24.3
													31.25	11.6	42.9	31.3	30.9	100±15	23.6
													62.5	16.8	38.4	21.6	24.9	100±15	21.5
													100	21.7	35.3	17.1	20.8	100±15	20.1
													155	27.7	32.5	4.7	16.9	100±18	19.0
													200	32.0	30.8	3.0	14.7	100±20	19.0
													250	36.4	29.3	—	12.8	100±20	18.0
										350	44.3	27.2	—	9.9	100±22	17.0			
	1703A**	NEC:	2x4	1000††	304.8	46.0	20.9	.195	4.95										
CMP									x	x									
CEC:									.405	10.29									
CMP																			

**1703A is Siamese version of 1701A.

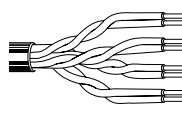
†3000 ft. put-up available in Blue or Natural only.

††1000 ft. put-up available in Blue or Natural only.

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

Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

Plenum • FEP Teflon Insulation • FEP Jacket (Available in Blue or White)

	1701LC	NEC:	4	U-1000	U-304.8	23.0	10.5	.187	4.75	9.0	3.0	66.0	1	2.0	65.3	63.3	60.8	100±12	20.0
		Limited		1000	304.8	24.0	10.9						4	4.0	56.3	52.3	48.8	100±12	23.0
		Combustible											8	5.7	51.8	46.1	42.7	100±12	24.5
		FHC 25/50											10	6.4	50.3	43.9	40.8	100±12	25.0
		CMP											16	8.1	47.3	39.1	36.7	100±12	25.0
													25	10.3	44.3	34.1	32.8	100±15	24.3
													31.25	11.6	42.9	31.3	30.9	100±15	23.6
													62.5	16.8	38.4	21.6	24.9	100±15	21.5
													100	21.7	35.3	17.1	20.8	100±15	20.1
													155	27.7	32.5	4.7	16.9	100±18	19.0
													200	32.0	30.8	3.0	14.7	100±20	19.0
													250	36.4	29.3	—	12.8	100±20	18.0
													350	44.3	27.2	—	9.9	100±22	17.0

1701LC does not have a rip cord.

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

Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

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

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)



Teflon is a DuPont trademark.

BELDENFor 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**

GigaFlex 1200 Cable Series

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

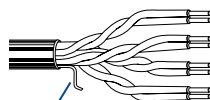
Enhanced Category 5 Nonbonded-pair Cables

Certified System Cable

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										

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket**

White, Box	24570166	NEC:	4	1000	304.8	24.0	10.9	.186	4.72	9.38	5.0	330	0.772	1.8	69.0	67.2	63.0	100±15	—
Blue, Box	24570161	CMR											1.0	2.0	67.3	65.3	60.8	100±15	20.0
White, Reel	24570460	CEC:											4.0	4.0	58.3	54.3	48.7	100±15	23.0
Blue, Reel	24570452	CMR											8.0	5.7	53.8	48.1	42.7	100±15	24.5
													10.0	6.3	52.3	46.0	40.8	100±15	25.0
													16.0	8.1	49.3	41.2	36.7	100±15	25.0
													20.0	9.1	47.8	38.7	34.7	100±15	25.0
													25.0	10.2	46.3	36.1	32.8	100±15	24.3
													31.25	11.5	44.9	33.4	30.9	100±15	23.6
													62.5	16.7	40.4	23.7	24.8	100±15	21.5
													100.0	21.6	37.3	15.7	20.8	100±15	20.1
													200.0 ¹	31.9	32.8	0.9	14.7	100±22	18.0
													250.0 ¹	36.3	31.3	-4.9	12.8	100±22	17.3
													300.0 ¹	40.3	30.2	-10.2	11.2	100±22	16.8
													350.0 ¹	44.2	29.2	-15.0	9.9	100±22	16.3

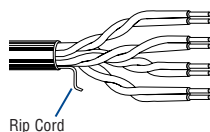


Jacket sequentially marked at 2 ft. intervals.
Featuring Descending Length Marking.

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

Non-Plenum • Polyolefin Insulation - LSZH Polymer Alloy

Purple	24570157	NEC:	4	1000	304.8	25.0	11.3	.198	5.03	9.38	5.0	330	0.772	1.8	69.0	67.2	63.0	100±15	—
		CMR											1.0	2.0	67.3	65.3	60.8	100±15	20.0
		CEC:											4.0	4.0	58.3	54.3	48.7	100±15	23.0
		CMR											8.0	5.7	53.8	48.1	42.7	100±15	24.5
													10.0	6.3	52.3	46.0	40.8	100±15	25.0
													16.0	8.1	49.3	41.2	36.7	100±15	25.0
													20.0	9.1	47.8	38.7	34.7	100±15	25.0
													25.0	10.2	46.3	36.1	32.8	100±15	24.3
													31.25	11.5	44.9	33.4	30.9	100±15	23.6
													62.5	16.7	40.4	23.7	24.8	100±15	21.5
													100.0	21.6	37.3	15.7	20.8	100±15	20.1
													200.0 ¹	31.9	32.8	0.9	14.7	100±22	18.0
													250.0 ¹	36.3	31.3	-4.9	12.8	100±22	17.3
													300.0 ¹	40.3	30.2	-10.2	11.2	100±22	16.8
													350.0 ¹	44.2	29.2	-15.0	9.9	100±22	16.3

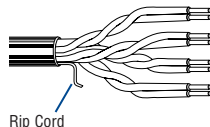


Jacket sequentially marked at 2 ft. intervals.
Featuring Descending Length Marking.

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

Plenum • Dual Insulation: Polyolefin / FEP • Low-Smoke PVC Jacket

White, Box	24570810	NEC:	4	1000	304.8	22.0	9.98	.188	4.78	9.38	5.0	330	0.772	1.8	69.0	67.2	63.0	100±15	—
Blue, Box	24570800	CMP											1.0	2.0	67.3	65.3	60.8	100±15	20.0
White, Reel	24570808	CEC:											4.0	4.0	58.3	54.3	48.7	100±15	23.0
Blue, Reel	24570812	CMP											8.0	5.7	53.8	48.1	42.7	100±15	24.5
													10.0	6.3	52.3	46.0	40.8	100±15	25.0
													16.0	8.1	49.3	41.2	36.7	100±15	25.0
													20.0	9.1	47.8	38.7	34.7	100±15	25.0
													25.0	10.2	46.3	36.1	32.8	100±15	24.3
													31.25	11.5	44.9	33.4	30.9	100±15	23.6
													62.5	16.7	40.4	23.7	24.8	100±15	21.5
													100.0	21.6	37.3	15.7	20.8	100±15	20.1
													200.0 ¹	31.9	32.8	0.9	14.7	100±22	18.0
													250.0 ¹	36.3	31.3	-4.9	12.8	100±22	17.3
													300.0 ¹	40.3	30.2	-10.2	11.2	100±22	16.8
													350.0 ¹	44.2	29.2	-15.0	9.9	100±22	16.3



Jacket sequentially marked at 2 ft. intervals.
Featuring Descending Length Marking.

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

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)

¹ Values provided for information only.**Color Codes: GigaFlex 1200**

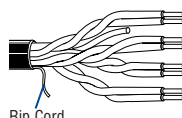
Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

DataTwist® 6 UTP Cable

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

23 AWG Solid Bare Copper Conductors • Twisted Pairs • Central Rod Filler • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)

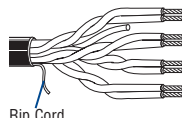
	7881A	NEC: CMR CEC: CMR	4	1000	304.8	30.0	13.6	.241	6.12	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0
				A-1000	A-304.8	33.0	15.0						10	6.0	57.3	51.3	44.8	100±15	25.0
													20	8.5	52.8	44.3	38.8	100±15	25.0
													31.25	10.7	49.9	39.2	34.9	100±15	23.6
													62.5	15.4	45.4	30.0	28.9	100±15	21.5
													100	19.8	42.3	22.5	24.8	100±15	20.1
													200	29.0	37.8	8.8	18.8	100±22	18.0
													250	32.8	36.3	3.5	16.8	100±32	17.3

Jacket sequentially marked at 2 ft. intervals.

Features Descending Length Marking.

Third party verified to TIA/EIA-568-B.2-1, Category 6

Plenum • Dual FRPO/FEP Insulation • Flamarrest® Jacket (Avail. in Red, Orange, Yellow, Green, Blue, Purple, Gray, Natural or Black)

	7882A	NEC: CMP CEC: CMP	4	1000	304.8	29.0	13.2	.224	5.69	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0
				A-1000	A-304.8	32.0	14.5						10	6.0	57.3	51.3	44.8	100±15	25.0
													20	8.5	52.8	44.3	38.8	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	28.9	100±15	21.5
													100	19.8	42.3	22.5	24.8	100±15	20.1
													200	29.0	37.8	8.8	18.8	100±22	18.0
													250	32.8	36.3	3.5	16.8	100±32	17.3

Jacket sequentially marked at 2 ft. intervals.

Features Descending Length Marking.

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 • FEP = Fluorinated Ethylene Propylene • FRPO = Flame-retardant Polyolefin • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

For either T568-A or T568-B configurations.

Color Codes: DataTwist 6

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

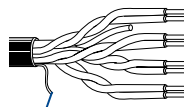
DataTwist 6 Limited Combustible UTP Cable

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										

23 AWG Bonded-Pairs • Solid Bare Copper Conductors • Twisted Pairs • Central Rod Filler • Rip Cord • See Color Code Chart (below)**Plenum • FEP Teflon® Insulation • FEP Jacket** (Available in Light Blue or White)

 Rip Cord	7813LC	NEC: Limited Combustible FHC 25/50 CMP CEC: CMP	4	1000 U-1000	304.8 U-304.8	35.0 33.0	15.89 14.98	.214	5.44	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0
													4	3.8	63.3	59.5	52.8	100±15	23.0
													8	5.3	58.8	53.4	46.7	100±15	24.5
													10	6.0	57.3	51.3	44.8	100±15	25.0
													16	7.6	54.3	46.7	40.7	100±15	25.0
													20	8.5	52.8	44.3	38.8	100±15	25.0
													25	9.5	51.3	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	28.9	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	18.8	100±22	18.0
													250	32.8	36.3	3.5	16.8	100±32	17.3

Jacket sequentially marked at 2 ft. intervals.

Features Descending Length Marking.

Third party verified to TIA/EIA 568-B.2-1, Category 6

U.S. Patents 5,606,151 and 5,734,126

ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene Propylene • NEXT = Near-end Crosstalk • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Teflon is a DuPont trademark.

Color Codes: DataTwist 6 LC

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

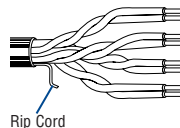
DataTwist® 5e+ UTP Cable

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

Enhanced Category 5e Nonbonded-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										

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Gray or White)

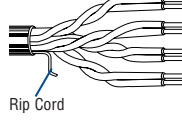
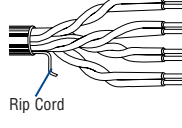
	1500A	NEC:	4	1000	304.8	23.0	10.4	.190	4.83	9.0	3.0	200	1	2.0	65.3	63.3	60.8	100±12	20.0	
		CM		A-1000	A-304.8	26.0	11.8						4	4.0	56.3	52.3	48.7	100±12	23.0	
		CEC:												8	5.7	51.8	46.1	42.7	100±12	24.5
		CM												10	6.4	50.3	43.9	40.8	100±12	25.0
														16	8.1	47.3	39.1	36.7	100±12	25.0
														25	10.3	44.3	34.1	32.8	100±15	24.3
														31.25	11.6	42.9	31.3	30.9	100±15	23.6
														62.5	16.8	38.4	21.6	24.9	100±15	21.5
														100	21.7	35.3	17.1	20.8	100±15	20.1
														155	27.7	32.5	4.7	16.9	100±18	19.0
	1500R	CMR	4	1000	304.8	24.0	10.9	.194	4.93				200	32.0	30.8	3.0	14.7	100±20	19.0	
		CEC:		A-1000	A-304.8	27.0	12.3						250	36.4	29.3	—	12.8	100±20	18.0	
		CMR											350	44.3	27.2	—	9.9	100±22	17.0	

Jacket sequentially marked at 2 ft. intervals

Features Descending Length Marking.

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

Plenum • Dual FRPO/FEP Insulation • Flamarrest® Jacket (Avail. in Red, Orange, Yellow, Green, Blue, Gray, White or Natural)

	1501A	NEC: CMP CEC: CMP	4	1000†	304.8	23.0	10.4	.190	4.83	9.0	3.0	200	1	2.0	65.3	63.3	60.8	100±12	20.0
				A-1000	A-304.8	26.0	11.8						4	4.0	56.3	52.3	48.7	100±12	23.0
													8	5.7	51.8	46.1	42.7	100±12	24.5
													10	6.4	50.3	43.9	40.8	100±12	25.0
													16	8.1	47.3	39.1	36.7	100±12	25.0
													25	10.3	44.3	34.1	32.8	100±15	24.3
													31.25	11.6	42.9	31.3	30.9	100±15	23.6
													62.5	16.8	38.4	21.6	24.9	100±15	21.5
													100	21.7	35.3	17.1	20.8	100±15	20.1
													155	27.7	32.5	4.7	16.9	100±18	19.0
	1501R	NEC: CMP CEC: CMP	4	1000†	304.8	23.0	10.4	.190	4.83	9.0	3.0	200	1	2.0	65.3	63.3	60.8	100±12	20.0
				A-1000	A-304.8	26.0	11.8						4	4.0	56.3	52.3	48.7	100±12	23.0
													8	5.7	51.8	46.1	42.7	100±12	24.5
													10	6.4	50.3	43.9	40.8	100±12	25.0
													16	8.1	47.3	39.1	36.7	100±12	25.0
													25	10.3	44.3	34.1	32.8	100±15	24.3
													31.25	11.6	42.9	31.3	30.9	100±15	23.6
													62.5	16.8	38.4	21.6	24.9	100±15	21.5
													100	21.7	35.3	17.1	20.8	100±15	20.1
													155	27.7	32.5	4.7	16.9	100±18	19.0
													200	32.0	30.8	3.0	14.7	100±20	19.0
													250	36.4	29.3	—	12.8	100±20	18.0
													350	44.3	27.2	—	9.9	100±22	17.0

†1000 ft. put-up not available in Red.

Jacket sequentially marked at 2 ft. intervals

Features Descending Length Marking.

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

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene Propylene • FRPO = Flame-retardant Polyolefin • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: DataTwist 5e+

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

Teflon is a DuPont trademark.

**Get the Bonded-Pairs
Cable Preparation Tool**

See page 15.40 for details.

(Part No. 1797B)



DataTwist 350 Composite UTP Cable

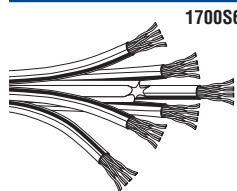
ANSI/TIA/EIA 568-B.2, Category 5e

Banana Peel® Jacketless 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										

24 AWG Bonded-Pairs • Solid Bare Copper Conductors • Spline Filler • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Inner Jacket (Available in Light Blue or Gray) • **No Overall Jacket**



1700S6

NEC:
CMR
CEC:
CMG

24

500

152.4

77.5

35.19

.204

5.18

9.0

3.0

66.0

1

2.0

65.3

63.3

60.8

100±12

20.0

10

6.4

50.3

43.9

40.8

100±12

25.0

16

8.1

47.3

39.1

36.7

100±12

25.0

31.25

11.6

42.9

31.3

30.9

100±15

23.6

62.5

16.8

38.4

21.6

24.9

100±15

21.5

100

21.7

35.3

17.1

20.8

100±15

20.1

200

32.0

30.8

3.0

14.7

100±20

19.0

250

36.4

29.3

>0.0

12.8

100±20

18.0

350

44.3

27.2

—

9.9

100±22

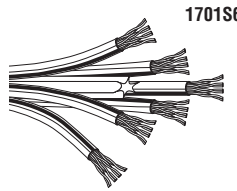
17.0

Bundled version of 1700R.

U.S. Patents 5,606,151; 5,734,126; 7,049,523.

Individual leg is third party verified to ANSI/TIA/EIA 568-B.2, Category 5e

Plenum • FEP Insulation • Flamarrest® Inner Jacket (Available in Blue or Natural) • **No Overall Jacket**



1701S6

NEC:
CMP
CEC:
CMP

24

500

152.4

81.5

37.00

.195

4.95

9.0

3.0

66.0

1

2.0

65.3

63.3

60.8

100±12

20.0

10

6.4

50.3

43.9

40.8

100±12

25.0

16

8.1

47.3

39.1

36.7

100±12

25.0

31.25

11.6

42.9

31.3

30.9

100±15

23.6

62.5

16.8

38.4

21.6

24.9

100±15

21.5

100

21.7

35.3

17.1

20.8

100±15

20.1

200

32.0

30.8

3.0

14.7

100±20

19.0

250

36.4

29.3

>0.0

12.8

100±20

18.0

350

44.3

27.2

—

9.9

100±22

17.0

Bundled version of 1701A.

U.S. Patents 5,606,151; 5,734,126; 7,049,523.

Individual leg is third party verified to ANSI/TIA/EIA 568-B.2, Category 5e

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

Color Codes: DT 350 Composite

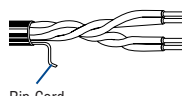
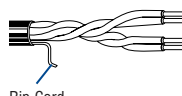
Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

DataTwist® 5e UTP Cable

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

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Dark Gray or Blue)**

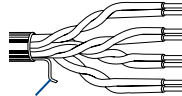
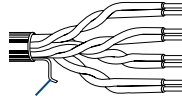
	1588A	NEC:	2	U-1000	U-304.8	14.0	6.4	.183	4.65	9.38	5.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
		CM		1000	304.8	15.0	6.8						4	4.1	53.3	49.2	48.7	100±15	23.0
		CEC:		1640†	500.0	24.6	11.2						10	6.5	47.3	40.8	40.8	100±15	25.0
		CM											16	8.2	44.3	36.0	36.7	100±15	25.0
													31.25	11.7	39.9	28.2	30.9	100±15	23.6
													62.5	17.0	35.4	19.0	24.9	100±15	21.5
	1588R	NEC:	2	U-1000††	U-304.8	14.0	6.4	.183	4.65				100	22.0	32.3	10.3	20.8	100±15	20.1
		CMR		1000††	304.8	15.0	6.8						200	32.0	27.8	1.0	14.7	100±25	15.0
		CEC:																	
		CMR																	

†1640 ft. put-up available in Dark Gray only.

††U-1000 ft. and 1000 ft. put-ups available in Blue only

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

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

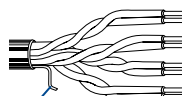
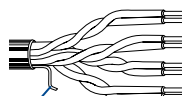
	1583A	NEC:	4	U-1000	U-304.8	21.0	9.5	.195	4.95	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
		CM		1000	304.8	21.0	9.5						4	4.1	53.3	49.2	48.7	100±15	23.0
		CEC:		1640†	500.0	34.4	15.7						10	6.5	47.3	40.8	40.8	100±15	25.0
		CM		3000†	914.4	63.0	28.6						16	8.2	44.3	36.0	36.7	100±15	25.0
													31.25	11.7	39.9	28.2	30.9	100±15	23.6
													62.5	17.0	35.4	19.0	24.9	100±15	21.5
	1583R	NEC:	4	U-1000††	U-304.8	22.0	10.0	.197	5.00				100	22.0	32.3	10.3	20.8	100±15	20.1
		CMR		1000††	304.8	22.0	10.0						200	32.0	27.8	1.0	14.7	100±25	15.0
		CEC:		3000††	914.4	63.0	28.6												
		CMR																	

†1640 ft. put-up available in Dark Gray or Blue only. 3000 ft. put-up available in Dark Gray, White or Blue only.

††1583R is not available in Black. 3000 ft. put-ups available in Dark Gray, White or Blue only.

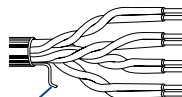
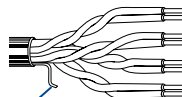
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

Non-Plenum • Polyolefin Insulation • Fluorescent Pink PVC Jacket

	1583B	NEC:	4	U-1000	U-304.8	19.0	8.6	.195	4.95	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
		CMR		1000	304.8	20.0	9.1						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
		CMR											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	19.0	24.9	100±15	21.5
	1583B	NEC:	4	U-1000	U-304.8	19.0	8.6	.195	4.95	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
		CMR		1000	304.8	20.0	9.1						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
		CMR											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	19.0	24.9	100±15	21.5

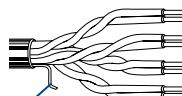
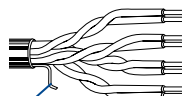
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

Non-Plenum • Polyolefin Insulation • UV Resistant PVC Jacket (Available in Gray, White or Ivory)

	1594A	NEC:	4	U-1000	U-304.8	26.0	11.8	.220	5.58	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
		CMR/CMX											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
		CMR/CMX											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	19.0	24.9	100±15	21.5
	1594A	NEC:	4	U-1000	U-304.8	26.0	11.8	.220	5.58	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
		CMR/CMX											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
		CMR/CMX											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	19.0	24.9	100±15	21.5

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

Outside Plant • Polyolefin Insulation • Black Gel-filled Polyethylene Jacket

	7997A		4	1000	304.8	38.0	17.2	.251	6.38	8.90	3.0	66.0	1	2.0	68.3	66.3	64.8	100±15	20.0
													4	4.0	59.3	55.3	52.8	100±15	23.0
													10	6.4	53.3	46.9	44.8	100±15	25.0
													16	8.1	50.2	42.1	40.7	100±15	25.0
													31.25	11.4	45.9	34.5	34.9	100±15	23.6
													62.5	16.4	41.4	25.0	28.9	100±15	21.5
	7997A		4	1000	304.8	38.0	17.2	.251	6.38	8.90	3.0	66.0	1	2.0	68.3	66.3	64.8	100±15	20.0
													4	4.0	59.3	55.3	52.8	100±15	23.0
													10	6.4	53.3	46.9	44.8	100±15	25.0
													16	8.1	50.2	42.1	40.7	100±15	25.0
													31.25	11.4	45.9	34.5	34.9	100±15	23.6
													62.5	16.4	41.4	25.0	28.9	100±15	21.5

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

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 5e

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

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

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Plenum • FEP Teflon® Insulation • Flamarrest® Jacket** (Available in Natural or Blue)

	1590A	NEC: CMP CEC: CMP FT6	2	1000	304.8	16.0	7.3	.175	4.44	9.38	5.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
													10	6.5	47.3	49.2	40.8	100±15	25.0
													16	8.2	44.3	40.8	36.7	100±15	25.0
													31.25	11.7	39.9	36.0	30.9	100±15	23.6
													62.5	17.0	35.4	28.2	24.8	100±15	21.5
													100	22.0	32.3	19.0	20.8	100±15	20.1
													200	32.0	27.8	10.3	14.7	100±25	15.0

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

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Red, Orange, Yellow, Green, Gray, White, Black, Pink, Natural or Blue)

	1585A	NEC: CMP CEC: CMP FT6	4	U-1000	U-304.8	23.0	10.5	.198	5.03	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
				1000	304.8	24.0	10.9						4	4.1	53.3	49.2	48.7	100±15	23.0
				3000†	914.6	69.0	31.4						10	6.5	47.3	40.8	40.8	100±15	25.0
													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	19.0	24.8	100±15	21.5
													100	22.0	32.3	10.3	20.8	100±15	20.1

†3000 ft. put-up available in Natural or Blue only.

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

Plenum • FEP Teflon Insulation • Fluorescent Pink Flamarrest Jacket

	1585B	NEC: CMP CEC: CMP FT6	4	1000	304.8	24.0	10.9	.197	5.00	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
													4	4.1	53.3	49.2	48.7	100±15	23.0
													10	6.5	47.3	40.8	40.8	100±15	25.0
													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	19.0	24.8	100±15	21.5
													100	22.0	32.3	10.3	20.8	100±15	20.1

Jacket sequentially marked at 2 ft. intervals.

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

Plenum • FEP Teflon Insulation • FEP Jacket (Available in Blue or White)

	1585LC	NEC: Limited Combustible FHC 25/50 CMP CEC: CMP FT6	4	U-1000	U-304.8	23.0	10.5	.195	4.95	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
				1000	304.8	23.0	10.5						4	4.1	53.3	49.2	48.7	100±15	23.0
													10	6.5	47.3	40.8	40.8	100±15	25.0
													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	19.0	24.8	100±15	21.5
													100	22.0	32.3	10.3	20.8	100±15	20.1

Jacket sequentially marked at 2 ft. intervals. No rip cord.

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

Patch Cable • 24 AWG Stranded (7x32) Bare Copper Conductors • Twisted Pairs • RJ-45 Compatible* • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Purple, Light Gray, White or Black)

	1592A	NEC: CM CEC: CM FT1	4	U-1000	U-304.8	22.0	10.0	.213	5.41	9.38	3.0	330	1	2.5	62.3	—	60.8	100±15	20.0
				1000	304.8	23.0	10.5						4	4.9	53.3	—	48.7	100±15	23.0
													10	7.8	47.3	—	40.8	100±15	25.0
													16	9.9	44.3	—	36.7	100±15	25.0
													31.25	14.1	39.9	—	30.9	100±15	23.6
													62.5	20.4	35.4	—	24.8	100±15	21.5
													100	26.4	32.3	—	20.8	100±15	20.1

*RJ-45 compatible for either T568-A or T568-B configurations.

Jacket sequentially marked at 2 ft. intervals. 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 • FEP = Fluorinated Ethylene Propylene • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: DataTwist 5e

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

Teflon is a DuPont trademark.

IBDN Plus 25-Pair Cat5E UTP Cable

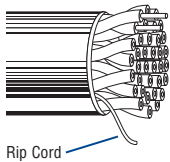
TIA/EIA-568-B.2, Category 5E

Enhanced Category 5 Nonbonded-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 ELFEXT (dB/100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm									

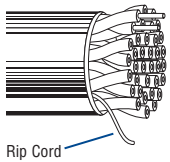
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • Gray PVC Jacket																		
Gray, Reel	24576125	NEC: CMR CEC: CMR	25	1000	304.8	119	54.0	.490	12.45	9.38	—	330	0.772 1.0 4.0 8.0 10.0 16.0 20.0 25.0 31.25 62.5 100.0	1.8 2.0 4.1 15.8 16.5 8.2 9.3 10.4 11.7 17.0 22.0	64.0 62.3 53.3 48.8 47.3 44.2 42.8 41.3 39.9 35.4 32.3	63.0 63.8 48.8 42.7 40.8 36.7 34.8 32.8 30.9 24.9 20.8	102±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	19.4 20.0 23.0 24.5 25.0 25.0 25.0 24.3 23.6 21.5 20.1



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

Plenum • FEP Insulation • Gray Low-smoke PVC Jacket																		
Gray, Reel	24577125	NEC: CMP CEC: CMP	25	1000	304.8	127	57.6	.430	10.90	9.38	—	330	0.772 1.0 4.0 8.0 10.0 16.0 20.0 25.0 31.25 62.5 100.0	1.8 2.0 4.1 15.8 16.5 8.2 9.3 10.4 11.7 17.0 22.0	64.0 62.3 53.3 48.8 47.3 44.2 42.8 41.3 39.9 35.4 32.3	63.0 63.8 48.8 42.7 40.8 36.7 34.8 32.8 30.9 24.9 20.8	102±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	19.4 20.0 23.0 24.5 25.0 25.0 24.3 23.6 21.5 20.1



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

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:**IBDN Plus 25-Pair Cat5**

Pair No.	Tip	Ring
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Slate
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Slate
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Slate
16	Yellow	Blue
17	Yellow	Orange
18	Yellow	Green
19	Yellow	Brown
20	Yellow	Slate
21	Violet	Blue
22	Violet	Orange
23	Violet	Green
24	Violet	Brown
25	Violet	Slate

IBDN Plus 25-Pair Cat5 UTP Cable

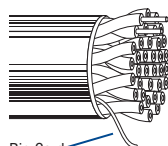
TIA/EIA-568-A, Category 5

Category 5 Nonbonded-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)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • Blue PVC Jacket**

Blue, Reel	24572238	NEC:	25	1000	304.8	118.0	53.5	4.90	124.5	9.38	5.0	330	0.772	1.8	64.0	102±15	—
Blue, Reel	24572250	CMR	25	492	150.0								1.0	2.1	62.0	100±15	23
Blue,, Reel	24572260	CEC:	25	500	152.4								4.0	4.3	53.0	100±15	23
		CMR											8.0	5.9	48.0	100±15	23
													10.0	6.6	47.0	100±15	23
													16.0	8.2	44.0	100±15	23
													20.0	9.2	42.0	100±15	23
													25.0	10.5	41.0	100±15	22
													31.25	11.8	40.0	100±15	21
													62.5	17.1	35.0	100±15	18
													100.0	22.0	32.0	100±15	16



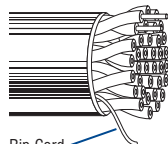
Rip Cord

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-A, Category 5

Plenum • 100% FEP Insulation • Gray Low-Smoke PVC Jacket

Gray, Reel	24572351	NEC:	25	328	100.0	118.0	53.5	4.90	124.5	9.38	5.0	330	0.772	1.8	64.0	102±15	—
Gray, Reel	24572352	CMP	25	984	300.0								1.0	2.1	62.0	100±15	23
Gray, Reel	24572353	CEC:	25	1000	304.8								4.0	4.3	53.0	100±15	23
		CMP											8.0	5.9	48.0	100±15	23
													10.0	6.6	47.0	100±15	23
													16.0	8.2	44.0	100±15	23
													20.0	9.2	42.0	100±15	23
													25.0	10.5	41.0	100±15	22
													31.25	11.8	40.0	100±15	21
													62.5	17.1	35.0	100±15	18
													100.0	22.0	32.0	100±15	16



Rip Cord

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-A, Category 5

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:**IBDN Plus 25-Pair Cat5**

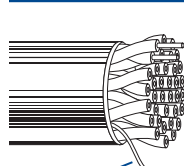
Pair No.	Tip	Ring
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Slate
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Slate
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Slate
16	Yellow	Blue
17	Yellow	Orange
18	Yellow	Green
19	Yellow	Brown
20	Yellow	Slate
21	Violet	Blue
22	Violet	Orange
23	Violet	Green
24	Violet	Brown
25	Violet	Slate

DataTwist® 5 UTP Cable

TIA/EIA-568-A, Category 5 Nonbonded-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)	Fitted Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Light Gray or Blue)

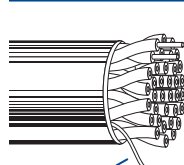
	1864A	NEC: CMR CEC: CMR FT4	25	1000	304.8	144.0	65.4	.526	13.36	9.38	5.0	330	1	2.0	62.3	100±15	23.0
													10	6.5	47.3	100±15	23.0
													16	8.2	44.3	100±15	23.0
													31.25	11.7	39.9	100±15	21.1
													62.5	17.0	35.4	100±15	18.0
													100	22.0	32.3	100±15	16.0

Rip Cord

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-A, Category 5

Plenum • FEP Teflon® Insulation • FEP Jacket (Available in Blue Tint or White Tint)

	1871A	NEC: CMP CEC: CMP	25	1000	304.8	131.0	59.5	.430	10.92	9.38	5.0	330	1	2.0	62.3	100±15	23.0
													10	6.5	47.3	100±15	23.0
													16	8.2	44.3	100±15	23.0
													31.25	11.7	39.9	100±15	21.1
													62.5	17.0	35.4	100±15	18.0
													100	22.0	32.3	100±15	16.0

Rip Cord

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-A, Category 5

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • SRL = Structural Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: 1864A

Pair	Color Combination
1	White & Blue
2	White & Orange
3	White & Green
4	White & Brown
5	White & Gray
6	Red & Blue
7	Red & Orange
8	Red & Green
9	Red & Brown
10	Red & Gray
11	Black & Blue
12	Black & Orange
13	Black & Green

Pair	Color Combination
14	Black & Brown
15	Black & Gray
16	Yellow & Blue
17	Yellow & Orange
18	Yellow & Green
19	Yellow & Brown
20	Yellow & Gray
21	Purple & Blue
22	Purple & Orange
23	Purple & Green
24	Purple & Brown
25	Purple & Gray

Color Codes: 1871A

Pair	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown
5	White/Gray Stripe & Gray
6	Red/Blue Stripe & Blue
7	Red/Orange Stripe & Orange
8	Red/Green Stripe & Green
9	Red/Brown Stripe & Brown
10	Red/Gray Stripe & Gray
11	Black/Blue Stripe & Blue
12	Black/Orange Stripe & Orange
13	Black/Green Stripe & Green

Pair	Color Combination
14	Black/Brown Stripe & Brown
15	Black/Gray Stripe & Gray
16	Yellow/Blue Stripe & Blue
17	Yellow/Orange Stripe & Orange
18	Yellow/Green Stripe & Green
19	Yellow/Brown Stripe & Brown
20	Yellow/Gray Stripe & Gray
21	Purple/Blue Stripe & Blue
22	Purple/Orange Stripe & Orange
23	Purple/Green Stripe & Green
24	Purple/Brown Stripe & Brown
25	Purple/Gray Stripe & Gray

Teflon is a DuPont trademark.

IBDN Plus UTP Cable

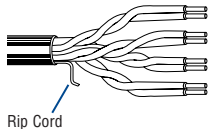
TIA/EIA-568-A, Category 5

Category 5 Nonbonded-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)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm									

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket**

White, Box	24570086	NEC:	4	1000	304.8	10.9	24.0	.186	4.72	9.38	5.0	330	0.772	1.8	64.0	62.2	—	—
Blue, Box	24570036	CMR											1.0	2.0	62.3	60.3	100±15	23.0
		CEC:											4.0	4.1	53.3	49.2	100±15	23.0
		CMR											8.0	5.8	48.8	43.0	100±15	23.0
													10.0	6.5	47.3	40.8	100±15	23.0
													16.0	8.2	44.3	36.0	100±15	23.0
													20.0	9.3	42.8	33.5	100±15	23.0
													25.0	10.4	41.3	30.9	100±15	22.0
													31.25	11.7	39.9	28.2	100±15	21.1
													62.5	17.0	35.4	18.4	100±15	18.1
													100.0	22.0	32.3	10.3	100±15	16.0
													155.0 [▶]	28.1	29.5	1.4	100±15	14.1



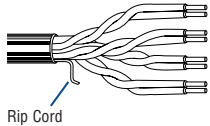
Jacket sequentially marked at 2 ft. intervals.

Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-A, Category 5

Non-Plenum • Polyolefin Insulation • LSZH Polymer Alloy

Purple, Box	24570152	NEC:	4	1000	304.8	11.3	25.0	.198	5.03	9.38	5.0	330	0.772	1.8	64.0	62.2	—	—
		CMR											1.0	2.0	62.3	60.3	100±15	23.0
		CEC:											4.0	4.1	53.3	49.2	100±15	23.0
		CMR											8.0	5.8	48.8	43.0	100±15	23.0
													10.0	6.5	47.3	40.8	100±15	23.0
													16.0	8.2	44.3	36.0	100±15	23.0
													20.0	9.3	42.8	33.5	100±15	23.0
													25.0	10.4	41.3	30.9	100±15	22.0
													31.25	11.7	39.9	28.2	100±15	21.1
													62.5	17.0	35.4	18.4	100±15	18.1
													100.0	22.0	32.3	10.3	100±15	16.0
													155.0 [▶]	28.1	29.5	1.4	100±15	14.1



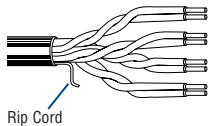
Jacket sequentially marked at 2 ft. intervals.

Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-A, Category 5

Plenum • Dual Insulation: Polyolefin/FEP • Low-Smoke PVC Jacket

White, Box	24570700	NEC:	4	1000	304.8	9.98	22.0	.188	4.78	9.38	5.0	330	0.772	1.8	64.0	62.2	—	—
Blue, Box	24570750	CMP											1.0	2.0	62.3	60.3	100±15	23.0
		CEC:											4.0	4.1	53.3	49.2	100±15	23.0
		CMP											8.0	5.8	48.8	43.0	100±15	23.0
													10.0	6.5	47.3	40.8	100±15	23.0
													16.0	8.2	44.3	36.0	100±15	23.0
													20.0	9.3	42.8	33.5	100±15	23.0
													25.0	10.4	41.3	30.9	100±15	22.0
													31.25	11.7	39.9	28.2	100±15	21.1
													62.5	17.0	35.4	18.4	100±15	18.1
													100.0	22.0	32.3	10.3	100±15	16.0
													155.0 [▶]	28.1	29.5	1.4	100±15	14.1



Jacket sequentially marked at 2 ft. intervals.

Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-A, Category 5

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)

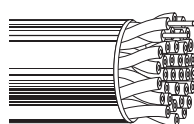
[▶]Values provided for information only.**Color Codes: IBDN Plus**

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® 3 UTP Cable

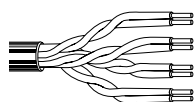
TIA/EIA-568-A, Category 3 Nonbonded-Pair Cables

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

24 AWG Solid Bare Copper Conductors • Twisted Pairs • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • Gray PVC Jacket**

1227A1	NEC: CMR CEC: CMR	2	U-1000	U-304.8	13.0	6.0	.173	4.39	28.0Ω/M' 91.8Ω/km	100	19.0	62.3	1	41.0	7.8	2.56
													4	32.0	17.0	5.58
													10	26.0	30.0	9.71
													16	23.0	40.0	13.10
1229A1	NEC: CMR CEC: CMR	4	U-1000	U-304.8	22.0	10.0	.197	5.00								
1232A1	NEC: CMR CEC: CMR	25†	1000	304.8	104.0	47.2	.399	10.14								

Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-A, Category 3

Plenum • Low-Smoke PVC Insulation • White Low-Smoke PVC Jacket

1243A2	NEC: CMP CEC: CMP	2	U-1000	U-304.8	14.0	6.4	.170	4.32	28.0Ω/M' 91.8Ω/km	100	19.0	62.3	1	41.0	7.8	2.56
													4	32.0	17.0	5.58
													10	26.0	30.0	9.71
													16	23.0	40.0	13.10
1245A2	NEC: CMP CEC: CMP	4	U-1000	U-304.8	23.0	10.4	.200	5.08								

Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-A, Category 3

DCR = DC Resistance • NEXT = Near-end Crosstalk • UTP = Unshielded Twisted Pair(s)

*Capacitance between conductors

† 25-pair NEXT is Power Sum tested.

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

Color Codes: DataTwist 3

Pair No.	Color Combination
1	White/Blue Stripe & Blue/White Stripe
2	White/Orange Stripe & Orange/White Stripe
3	White/Green Stripe & Green/White Stripe
4	White/Brown Stripe & Brown/White Stripe
5	White/Gray Stripe & Gray/White Stripe
6	Red/Blue Stripe & Blue/Red Stripe
7	Red/Orange Stripe & Orange/Red Stripe
8	Red/Green Stripe & Green/Red Stripe
9	Red/Brown Stripe & Brown/Red Stripe
10	Red/Gray Stripe & Gray/Red Stripe
11	Black/Blue Stripe & Blue/Black Stripe
12	Black/Orange Stripe & Orange/Black Stripe
13	Black/Green Stripe & Green/Black Stripe

Pair No.	Color Combination
14	Black/Brown Stripe & Brown/Black Stripe
15	Black/Gray Stripe & Gray/Black Stripe
16	Yellow/Blue Stripe & Blue/Yellow Stripe
17	Yellow/Orange Stripe & Orange/Yellow Stripe
18	Yellow/Green Stripe & Green/Yellow Stripe
19	Yellow/Brown Stripe & Brown/Yellow Stripe
20	Yellow/Gray Stripe & Gray/Yellow Stripe
21	Purple/Blue Stripe & Blue/Purple Stripe
22	Purple/Orange Stripe & Orange/Purple Stripe
23	Purple/Green Stripe & Green/Purple Stripe
24	Purple/Brown Stripe & Brown/Purple Stripe
25	Purple/Gray Stripe & Gray/Purple Stripe

D-Inside and D-Flex Plenum UTP Cable

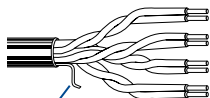
TIA/EIA-568-A and CSA T529-95, Category 3

Category 3 Nonbonded-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. NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyvinyl Chloride Insulation • Olive Gray Low-Smoke PVC Jacket**

Olive Gray, Box	24501922	NEC:	2	2500	762.0	11.0	4.99	0.13	3.30	9.38	5.0	262	0.772	2.2	43.0	—	—
Olive Gray, Box	24501934	CMR	3	1500	457.2	15.0	6.80	0.15	3.90				1.0	2.6	41.0	100±15	12.0
Olive Gray, Box	24501941	CEC:	4	1000	304.8	18.0	8.16	0.17	4.30				4.0	5.6	32.0	100±15	12.0
Olive Gray, Box	24501950	CMR	4	1500	457.2	18.0	8.16	0.17	4.30				8.0	8.5	28.0	100±15	12.0
Olive Gray, Reel	24501947		4	1000	304.8	18.0	8.16	0.17	4.30				10.0	9.7	26.0	100±15	12.0
													16.0	13.1	23.0	100±15	10.0



Rip Cord

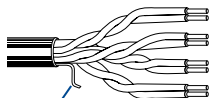
Jacket sequentially marked at 2 ft. intervals.

Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-A, Category 3

Plenum • Low Smoke Polyvinyl Chloride Insulation • Olive Gray Low-Smoke Jacket

Olive Gray, Box	24571097	NEC:	3	1500	457.2	16.0	7.26	0.16	4.06	9.38	5.0	262	0.772	2.2	43.0	—	—
Olive Gray, Box	24571111	CMP	4	1000	304.8	19.0	8.62	0.19	4.70				1.0	2.6	41.0	100±15	12.0
Olive Gray, Box	24571112	CEC:	4	1500	457.2	19.0	8.62	0.19	4.70				4.0	5.6	32.0	100±15	12.0
Olive Gray, Reel	24571110	CMP	4	1000	304.8	19.0	8.62	0.19	4.70				8.0	8.5	28.0	100±15	12.0
													10.0	9.7	26.0	100±15	12.0
													16.0	13.1	23.0	100±15	10.0



Rip Cord

Jacket sequentially marked at 2 ft. intervals.

Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-A, Category 3

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

Color Codes: D-Inside and D-Flex

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

D-Series Multipair UTP Cable

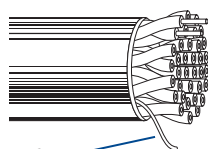
TIA/EIA-568-A and CSA T529-95, Category 3

Category 3 Nonbonded-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)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Semi-Rigid Polyvinyl Chloride Insulation • Olive Gray PVC Jacket**

Olive Gray, Reel	24501829	NEC:	6	1000	304.8	28.0	12.7	0.21	5.3	—	8.8	262	0.772	2.2	43.0	100±15	12.0
Olive Gray, Reel	24501837	CMR	12	1000	304.8	50.0	22.7	0.28	7.1				1.0	2.6	41.0	100±15	12.0
Olive Gray, Reel	24501848	CEC:	16	984	300.0	64.0	29.0	0.32	8.0				4.0	5.6	32.0	100±15	12.0
Olive Gray, Reel	24501858	CMR	25	1000	304.8	100.0	45.4	0.39	10.0				8.0	8.5	28.0	100±15	12.0
Olive Gray, Reel	24501877		50	1000	304.8	194.0	87.0	0.53	13.4				10.0	9.7	26.0	100±15	12.0
Olive Gray, Reel	24501887		75	2083	635.0	279.0	126.6	0.63	16.0				16.0	13.1	23.0	100±15	10.0
Olive Gray, Reel	24501897		100	1575	480.0	365.0	165.6	0.72	18.2								
Olive Gray, Reel	24501906		200	900	274.3	703.0	318.9	0.99	25.1								



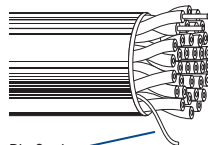
Rip Cord

Jacket sequentially marked at 2 ft. intervals.
Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-A, Category 3

Plenum • Low Smoke Polyvinyl Chloride Insulation • Low-Smoke PVC Jacket (Gray or Translucent)

Translucent, Reel	24571221	NEC:	25	1500	457.2	107.0	48.5	0.42	10.7	—	8.8	262	0.772	2.2	43.0	100±15	12.0
Gray, Reel	24571235	CMP	50	1000	304.8	211.0	95.7	0.49	12.4				1.0	2.6	41.0	100±15	12.0
Gray, Reel	24571250	CEC:	100	1500	457.2	415.0	188.2	0.72	18.3				4.0	5.6	32.0	100±15	12.0
Gray, Reel	24571265	CMP	200	1000	304.8	874.0	396.4	1.04	26.3				8.0	8.5	28.0	100±15	12.0
Gray, Reel	24571266		300	1000	304.8	1234.0	559.7	1.27	32.3				10.0	9.7	26.0	100±15	12.0
													16.0	13.1	23.0	100±15	10.0



Rip Cord

Jacket sequentially marked at 2 ft. intervals.
Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-A, Category 3

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: D-Series Multipair

Pair No.	Tip	Ring
1	White/Blue	Blue/White
2	White/Orange	Orange/White
3	White/Green	Green/White
4	White/Brown	Brown/White
5	White/Slate	Slate/White
6	Red/Blue	Blue/Red
7	Red/Orange	Orange/Red
8	Red/Green	Green/Red
9	Red/Brown	Brown/Red
10	Red/Slate	Slate/Red
11	Black/Blue	Blue/Black
12	Black/Orange	Orange/Black
13	Black/Green	Green/Black

Pair No.	Tip	Ring
14	Black/Brown	Brown/Black
15	Black/Slate	Slate/Black
16	Yellow/Blue	Blue/Yellow
17	Yellow/Orange	Orange/Yellow
18	Yellow/Green	Green/Yellow
19	Yellow/Brown	Brown/Yellow
20	Yellow/Slate	Slate/Yellow
21	Violet/Blue	Blue/Violet
22	Violet/Orange	Orange/Violet
23	Violet/Green	Green/Violet
24	Violet/Brown	Brown/Violet
25	Violet/Slate	Slate/Violet

DataTwist® 5e ScTP Cable

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

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire* • RJ-45 Compatible • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Gray or Black)

	1533R	NEC: CMR CEC: CMR	4	1000	304.8	34.0	15.5	.260	6.60	9.38	3.0	330	1	2.0	62.3	60	60.8	100±15	20.0
				A-1000	A-304.8	37.0	16.8						4	4.1	53.3	49	48.7	100±15	23.0
				1640†	500.0	57.4	26.1						8	5.8	48.8	43	42.7	100±15	24.5
													10	6.5	47.3	41	40.8	100±15	25.0
													16	8.2	44.3	36	36.7	100±15	25.0
													20	9.3	42.8	34	34.7	100±15	25.0
													25	10.4	41.3	31	32.8	100±15	24.3
													31.25	11.7	39.9	28	30.9	100±15	23.6
													62.5	17.0	35.4	18	24.8	100±15	21.5
													100	22.0	32.3	10	20.8	100±15	20.1

†1640 ft. put-up available in Gray only.

Shield is bonded to jacket inner wall for electrical stability.

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

Non-Plenum • Polypropylene Insulation (Color Code: See Chart Below) • Black Low-Smoke, Zero-Halogen Jacket

	1300SB new	NEC: CMG-LS CEC: CMG-LS FT4 Limited Smoke	4	1000	304.8	35.0	15.9	.260	6.60	9.3	3.0	330	1	2.0	62.3	60	60.8	100±15	20.0
													4	4.1	53.3	49	48.7	100±15	23.0
													8	5.8	48.8	43	42.7	100±15	24.5
													10	6.5	47.3	41	40.8	100±15	25.0
													16	8.2	44.3	36	36.7	100±15	25.0
													20	9.3	42.8	34	34.7	100±15	25.0
													25	10.4	41.3	31	32.8	100±15	24.3
													31.25	11.7	39.9	28	30.9	100±15	23.6
													62.5	17.0	35.4	18	24.8	100±15	21.5
													100	22.0	32.3	10	20.8	100±15	20.1

LSZH and ABS Type Approved

Jacket sequentially marked at 2 ft. intervals.

Plenum • FEP Teflon® Insulation • Flammarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Gray, Black or Natural)

	1533P	NEC: CMP CEC: CMP	4	1000	304.8	35.0	15.9	.235	6.00	9.38	3.0	330	1	2.0	62.3	60	60.8	100±15	20.0
				A-1000	A-304.8	38.0	17.2						4	4.1	53.3	49	48.7	100±15	23.0
													8	5.8	48.8	43	42.7	100±15	24.5
													10	6.5	47.3	41	40.8	100±15	25.0
													16	8.2	44.3	36	36.7	100±15	25.0
													20	9.3	42.8	34	34.7	100±15	25.0
													25	10.4	41.3	31	32.8	100±15	24.3
													31.25	11.7	39.9	28	30.9	100±15	23.6
													62.5	17.0	35.4	18	24.8	100±15	21.5
													100	22.0	32.3	10	20.8	100±15	20.1

Shield is bonded to jacket inner wall for electrical stability.

Jacket sequentially marked at 2 ft. intervals.

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

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

*Drain wire is 24 AWG stranded tinned copper.

Color Codes: DataTwist 5e ScTP

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

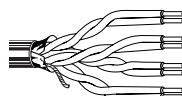
Teflon is a DuPont trademark.

DataTwist® 5 ScTP Cable

TIA/EIA-568-A, Category 5 Nonbonded-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)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire* • RJ-45 Compatible • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Purple or Light Gray)

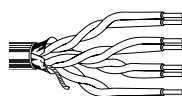
	1624R	NEC:	4	1000	304.8	33.0	15.0	.260	6.60	9.38	3.0	300	1	2.0	62.3	100±15	23.0
		CMR		A-1000	A-304.8	36.0	16.3						4	4.1	53.3	100±15	23.0
		CEC:		1640†	500.0	54.1	24.7						8	5.8	48.8	100±15	23.0
		CMR											10	6.5	47.3	100±15	23.0
													16	8.2	44.3	100±15	23.0
													20	9.3	42.8	100±15	23.0
													25	10.4	41.3	100±15	22.0
													31.25	11.7	39.9	100±15	21.1
													65.5	17.0	35.4	100±15	18.0
													100	22.0	32.3	100±15	16.0

†1640 ft. put-up available in Gray only.

Shield is bonded to jacket inner wall for electrical stability.

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

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural)

	1624P	NEC:	4	1000	304.8	32.0	14.5	.230	5.84	9.38	3.0	300	1	2.0	62.3	100±15	23.0
		CMP		A-1000††	A-304.8	35.0	15.9						4	4.1	53.3	100±15	23.0
		CEC:											8	5.8	48.8	100±15	23.0
		CMP											10	6.5	47.3	100±15	23.0
													16	8.2	44.3	100±15	23.0
													20	9.3	42.8	100±15	23.0
													25	10.4	41.3	100±15	22.0
													31.25	11.7	39.9	100±15	21.1
													65.5	17.0	35.4	100±15	18.0
													100	22.0	32.3	100±15	16.0

††A-1000 ft. put-up available in Yellow, Blue, Gray or Natural only.

Shield is bonded to jacket inner wall for electrical stability.

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-A, Category 5

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • ScTP = Screened (Overall Foil) Twisted Pair(s)

*Drain wire is 24 AWG stranded tinned copper on 1624R and 24 AWG solid tinned copper on 1624P.

Color Codes: DataTwist 5 ScTP

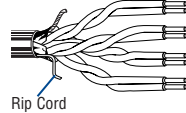
Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

DataTwist® 5 ScTP Cable

TIA/EIA-568-TSB 36, Category 5 Nonbonded-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. NEXT (dB)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Gray or Blue)

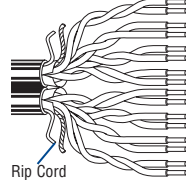
	1633A	NEC: CM CEC: CM	4	U-1000	U-304.8	30.0	13.6	.260	6.60	9.38	5.0	330	4	4.1	53.0	100±15	N/A
				1000	304.8	32.0	14.5						10	6.5	47.0	100±15	N/A
													16	8.2	44.0	100±15	N/A
													31.25	11.7	40.0	100±15	N/A
													62.5	17.0	35.0	100±15	N/A
													100	22.0	32.0	100±15	N/A

Not compatible with RJ-11/12/45 connectors.

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-TSB 36, Category 5

Non-Plenum • Dual • Polyolefin Insulation • Gray PVC Jacket with Polarity Rib

	1668A	NEC: CM CEC: CM	2x4	1000	304.8	70.0	31.8	.518	13.16	9.38	5.0	330	4	4.1	53.0	100±15	N/A
				1640	500.0	109.9	49.9	x	x				10	6.5	47.0	100±15	N/A
								.254	6.45				16	8.2	44.0	100±15	N/A
													31.25	11.7	40.0	100±15	N/A
													62.5	17.0	35.0	100±15	N/A
													100	22.0	32.0	100±15	N/A

Not compatible with RJ-11/12/45 connectors.

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-TSB 36, Category 5 (Leg 1 & 2). A polarity rib is applied to one leg.

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • ScTP = Screened (Overall Foil) Twisted Pair(s)

Color Codes: DataTwist 5 ScTP

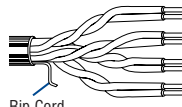
Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

VideoTwist® 6 UTP Cable for RGB Video

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

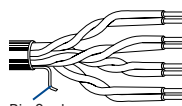
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min.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

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

 Rip Cord	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

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

Plenum • FEP Insulation • Flamarrest® Jacket

 Rip Cord	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

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

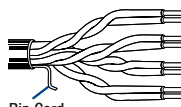
Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

DataTwist® 5e UTP Cable for RGB Video

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

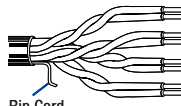
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min.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

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**

 Rip Cord	7988R	NEC: CMR CEC: CMG	4	U-1000 U-1640	U-304.8 U-500.0	22.0 36.1	10.0 16.4	.204	5.18	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0
													4	4.1	53.3	49.2	48.7	100±15	23.0
													10	6.5	47.3	40.8	40.8	100±15	25.0
													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

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

Plenum • FEP Insulation • Green Flamarrest® Jacket

 Rip Cord	7988P	NEC: CMP CEC: CMP	4	U-1000 U-1640	U-304.8 U-500.0	23.0 37.7	10.4 17.1	.193	4.90	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0
													4	4.1	53.3	49.2	48.7	100±15	23.0
													10	6.5	47.3	40.8	40.8	100±15	25.0
													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

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

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) 	9907	NEC:	500	152.4	12.5	5.7	20 AWG	.102	2.59	Duobond II	.185	4.70	50	80%	25.4	83.3	1	.43	1.4
		CL2, CM	U-1000	U-304.8	25.0	11.4	(19x32)			+ 93%							10	1.30	4.3
		CEC:	1000	304.8	25.0	11.4	.037"			Tinned							50	2.90	9.5
		CM	1640	500.0	41.0	18.6	Tinned			Copper							100	4.20	13.8
			2500	762.0	62.5	28.4	Copper			Braid							200	6.10	20.0
			3280	1000.0	82.0	37.3	8.8Ω/M'			5.8Ω/M'							400	8.90	29.2

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 	82907	NEC:	500†	152.4	12.5	5.7	20 AWG	.095	2.41	Duobond II	.160	4.06	50	80%	25.4	83.3	1	.43	1.4
		CL2P, CMP	U-1000	U-304.8	23.0	10.5	(19x32)			+ 93%							10	1.30	4.3
		CEC:	1000†	304.8	24.0	10.9	.037"			Tinned							50	2.90	9.5
		CMP	2500†	762.0	57.5	26.1	Tinned			Copper							100	4.20	13.8
							Copper			Braid							200	6.10	20.0
							8.8Ω/M'			5.8Ω/M'							400	9.20	30.2

28.9Ω/km'

19.0Ω/km

Plenum Ethernet • Foam FEP Insulation • Gray Fluorocopolymer Jacket

300V 150°C 	89907†	NEC:	500†	152.4	12.5	5.7	20 AWG	.095	2.41	Duobond II	.160	4.06	50	80%	25.4	83.3	1	.43	1.4
		CL2P, CMP	U-1000	U-304.8	24.0	10.9	(19x32)			+ 93%							10	1.30	4.3
		CEC:	1000†	304.8	24.0	10.9	.037"			Tinned							50	2.90	9.5
		CMP	2500†	762.0	60.0	27.3	Tinned			Copper							100	4.20	13.8
							Copper			Braid							200	6.10	20.0
							8.8Ω/M'			5.8Ω/M'							400	9.20	30.2

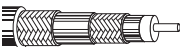
28.9Ω/km

19.0Ω/km

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**

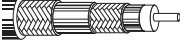
UL AWM Style 1478 (30V 60°C) 	9880	NEC:	500	152.4	66.0	30.0	12 AWG	.243	6.17	Duobond IV	.405	10.29	50	78%	26.0	85.0	1	.19▲	.62
		CL2, CM	1000	304.8	131.0	59.5	(solid)			(Duobond II							5	.37▲	1.21
		CEC:	1640	500.0	219.8	99.9	.086"			+ 94%							10	.52▲	1.71
		CM					Bare Copper			TC Braid							50	1.20▲	3.94
							1.42Ω/M'			+ Duofoil®							100	1.70▲	5.58
							4.66Ω/km			+ 90%							200	2.55▲	8.37

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 	89880	NEC:	1000†	304.8	134.0	60.9	12 AWG	.245	6.22	Duobond IV	.375	9.53	50	78%	26.0	85.0	1	.18	.59
		CL2P, CMP	1640†	500.0	224.7	102.1	(solid)			(Duobond II							5	.37▲	1.21
		CEC:					.086"			+ 94%							10	.52▲	1.71
		CMP					Bare Copper			TC Braid							50	1.15	3.77
							1.42Ω/M'			+ Duofoil							100	1.65	5.41
							4.66Ω/km			+ 90%							200	2.45	8.04

1.52Ω/M'

5.0Ω/km

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).

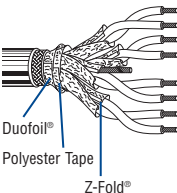
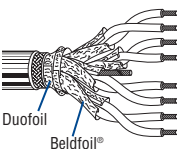
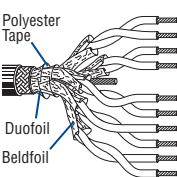
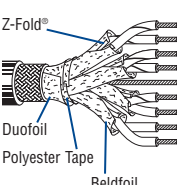
† Spools are one piece, but length may vary ±10% from length shown.

▲ 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)	9903	NEC: CMG CEC: 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 + 92% Tinned Copper Braid 2.9Ω/M' 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)	9901	NEC: CL2, CM CEC: 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 + 95% Tinned Copper Braid 2.0Ω/M' 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)	9902	NEC: CL2, CM CEC: 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 + 95% Tinned Copper Braid 1.65Ω/M' 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	89901	NEC: CMP CEC: 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 + 95% Tinned Copper Braid 1.5Ω/M' 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.

BELDENFor 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**

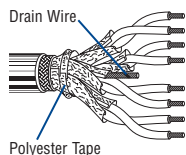
IEEE 802.3 • Ethernet 10Base5**Transceiver Cables**

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

20 AWG Stranded (7x28) .038" TC Cond. • Twisted Pairs • Beldfoil® (100% Coverage) + Polyester Tape + TC Braid Shield (95% Cov.) • Drain Wire

Non-Plenum • Ethernet • Datalene® Insulation • Light Blue PVC Jacket

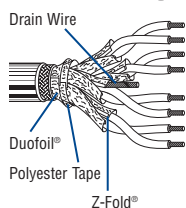
UL AWM Style 2919 (30V 80°C)	9892	NEC: CM, CL2 CEC: CM	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	51.5 101.0	23.4 45.9	20 AWG (7x28) .038" Tinned Copper 9.5Ω/M' 31.2Ω/km	Polyester Isolation Tape + 95% Tinned Copper Braid 1.9Ω/M' 6.2Ω/km	.398 10.1	22 AWG (7x30) Tinned Copper	78	78%	16.7	54.8	29.5	96.8
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20 AWG Stranded (7x28) .038" TC Conductors • Twisted Pairs • Beldfoil® Inner + Overall Duofoil® (100% Coverage) + TC Braid Shield (95% Cov.)

Plenum • Ethernet • Foam FEP Insulation (Data) • Solid FEP Insulation (Power) • Brown Fluorocopolymer Jacket

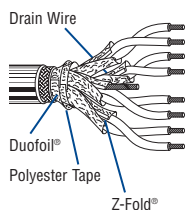
UL AWM Style 2919 (30V 80°C)	9892	NEC: CMP CEC: CMP	4	Gray/White, Yellow/Orange, Blue/Green, Red/Black	500 1000	152.4 304.8	50.0 101.0	22.7 45.9	20 AWG (7x28) .038" Tinned Copper 9.5Ω/M' 31.2Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 1.5Ω/M' 4.9Ω/km	.359 9.1	22 AWG (7x30) Tinned Copper	78	78%	16.7	54.8	29.5	96.8
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20 and 22 AWG Stranded TC Conductors • Twisted Pairs • Beldfoil® Inner Shield (100% Coverage) + Overall TC Braid Shield (95% Coverage)

Non-Plenum • Ethernet • Foam HDPE (22 AWG) and PVC (20 AWG) Insulation • Light Blue PVC Jacket

UL AWM Style 2919 (30V 80°C)	9891	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: Each Pair Individually Shielded, Overall Duofoil + 95% Tinned Copper Braid 20 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	22 AWG 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*
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*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
RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV* Quad Shield (100% Coverage)																			
Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket																			
	3131A	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.																			
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																			
150°C	3132A	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		
RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV* Quad Shield (100% Coverage)																					
Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket																					
	3094A	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.																					
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																					
150°C	3095A	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.																					

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' & 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**

IBM Part No.	9688	NEC:	2	500 [†]	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 [†]	304.8	50.0	22.7	x	x	(solid)	Beldfoil				16	13.4	4.4	50.4	50.4
33G2772		CEC:		2000 [†]	609.8	102.0	46.3	.431	10.95	BC	Each Pair				100	37.5	12.3	38.5	38.5
		CMG		3600 [†]	1097.6	190.8	86.5			.026"	+ 65%				300	65.2	21.4	31.3	31.3
										16.7Ω/M'	TC Braid				100 ^{††}	40.8	13.4	—	—
										54.7Ω/km	Overall				300 ^{††}	71.0	23.3	—	—
															600 ^{††}	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

IBM Part No.	82688	NEC:	2	1000 [†]	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 ^{††}	40.8	13.4	—	—
										54.7Ω/km	Overall				300 ^{††}	71.0	23.3	—	—
															600 ^{††}	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**

IBM Part No.	1634A	NEC:	2	1000 [†]	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 [†]	609.8	102.0	46.4	x	x	(solid)	Beldfoil				16	13.4	4.4	40.0	40.0
		CEC:		3600 [†]	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.

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IEEE 802.5; ISO/IEC 8802.5

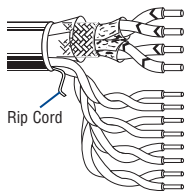
IBM Cabling System

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**

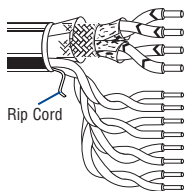
IBM Part No.	9689	NEC:	6*	1000 [†]	304.8	80.0	36.4	.324	8.23	22	100%	150	8.5	27.9	1k**	.390	.128	—	—
4716739		CMG		3600 [†]	1097.6	298.8	135.8	x	x	(solid)	Beldfoil	@ 1MHz	(data)	(data)	4	6.7	2.2	58.0	58.0
33G2773		CEC:						.466	11.84	BC	Each Pair	(data)			16	13.4	4.4	50.4	50.4
		CMG								.026"	+ 65%	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 ^{††}	40.8	13.4	—	—
											(data only)				300 ^{††}	71.0	23.3	—	—
															600 ^{††}	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

IBM Part No.	82689	NEC:	6*	1000 [†]	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:						.460	11.68	BC	Each Pair	(data)			16	13.4	4.4	50.4	50.4
		CMP								.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 ^{††}	40.8	13.4	—	—
											(data only)				300 ^{††}	71.0	23.3	—	—
															600 ^{††}	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**

IBM Part No.	1215A	NEC:	2	1000 [†]	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:								BC	Each Pair				100	57	18.7	33.0	33.0
		CM								.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)

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

†† Common mode

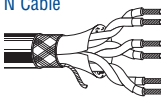
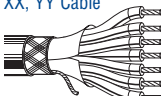
^ (2) shielded Data-grade pairs; (4) unshielded Voice-grade media pairs

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.

BELDENFor 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. (Ω)	Nominal Capacitance			
				Ft.	m	Lbs.	kg	Inch	mm				* pF/Ft.	* pF/m	** pF/Ft.	** pF/m
28 AWG Stranded (7x36) Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shielded + TC Braid Shield (65% Coverage) • TC Drain Wire																
Non-Plenum • Patented Step Polyolefin Insulation • Gray PVC Jacket (See RISC Color Code Chart below)																
IBM Part No. N Cable	1538A	NEC: CL2	3	U-1000 1000	U-304.8 304.8	24.0 25.0	10.9 11.4	.225 5.72		28 (7x36) Bare Copper 63.0Ω/M' 207.0Ω/km	Overall Beldfoil + 65% TC Braid 5.5Ω/M' 18.0Ω/km	120	12.0	39.4	21.5	70.5
																
RJ-45 compatible																
IBM Part No. XX, YY Cable	1540A	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) Bare Copper 63.0Ω/M' 207.0Ω/km	Overall Beldfoil + 65% TC Braid 7.2Ω/M' 23.6Ω/km	—	12.5	41.0	23.0	75.5
																
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	3	White over Green & Green over White
4th	White over Brown		
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. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				Ft.	m	Lbs.	kg	Inch	mm					* pF/Ft.	* pF/m	** pF/Ft.	** pF/m
SCSI • 28 AWG Stranded (7x36) TC Conductors • Twisted Pairs • Overall Beldfoil® Shield + TC Braid Shield (85% Coverage) • See Color Code Chart (below)																	
Non-Plenum • Flame-retardant Polyolefin Insulation • Polypropylene Buffer Layer • Light Gray PVC Jacket																	
150V	1401A	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 64.9Ω/M' 212.9Ω/km	Overall Beldfoil + 85% TC Braid 2.0Ω/M' 6.6Ω/km	120† 80††	66%	12.7	41.7	30.0	98.4
																	
150V	1403A	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 64.9Ω/M' 212.2Ω/km	Overall Beldfoil + 85% TC Braid 1.5Ω/M' 4.9Ω/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