

# GigaFlex 4800LX Cable Series

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

### Enhanced Category 6 Nonbonded-pair Cables

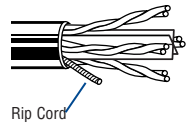
**Certified System Cable**

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**

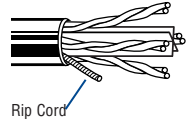
White - Reel	<b>24586385</b>	NEC:	4	1000	304.8	29.1	13.2	.245	6.22	6.6	3.0	50	0.772	1.7	80.0	78.3	74.0	100±12	—
Blue - Reel	<b>24586985</b>	CMR											1.0	1.8	78.3	76.5	71.8	100±12	20.0
		CEC:											4.0	3.4	69.3	65.9	59.7	100±12	23.0
		CMR											8.0	4.8	64.8	60.0	53.7	100±12	25.0
													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 <sup>Ⓟ</sup>	41.8	38.5	-3.3	18.7	100±22	19.5										
			500.0 <sup>Ⓟ</sup>	44.5	37.8	-6.7	17.8	100±22	19.3										
			550.0 <sup>Ⓟ</sup>	47.1	37.2	-9.9	16.9	100±22	19.1										



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**

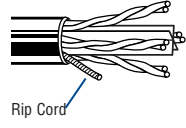
Purple - Reel	<b>24588085</b>	NEC:	4	1000	304.8	31.1	14.1	.246	6.10	6.6	3.0	50	0.772	1.7	80.0	78.3	74.0	100±12	—
		CMR											1.0	1.8	78.3	76.5	71.8	100±12	20.0
		CEC:											4.0	3.4	69.3	65.9	59.7	100±12	23.0
		CMR											8.0	4.8	64.8	60.0	53.7	100±12	25.0
													10.0	5.3	63.3	58.0	51.8	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
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			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 <sup>Ⓟ</sup>	41.8	38.5	-3.3	18.7	100±22	19.5										
			500.0 <sup>Ⓟ</sup>	44.5	37.8	-6.7	17.8	100±22	19.3										
			550.0 <sup>Ⓟ</sup>	47.1	37.2	-9.9	16.9	100±22	19.1										



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**Plenum • 100% FEP Insulation - LSZH Polymer Alloy**

White - Reel	<b>24587385</b>	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	<b>24587985</b>	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
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			450.0 <sup>Ⓟ</sup>	41.8	38.5	-3.3	18.7	100±22	19.5										
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			550.0 <sup>Ⓟ</sup>	47.1	37.2	-9.9	16.9	100±22	19.1										



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 Featuring Descending Length Marking.  
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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)

<sup>Ⓟ</sup>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