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Black Box Corporation.

BLACK BOX[®]

NETWORK SERVICES

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GIGATRUE[®] 550

Key Features

- ▶ **Select PVC or plenum cable.**
- ▶ **Constructed of 4-pair, 23 AWG solid bare copper.**
- ▶ **Polyester rip cord.**
- ▶ **PVC cable: Flame-retardant PVC jacket and polyolefin insulation.**
- ▶ **Plenum cable: Flexguard flame-retardant PVC jacket and FEP insulation.**

Frequency MHz (maximum)	Attenuation dB/100 m (328 ft.) (maximum)	ACR dB/100 m (328 ft.) (minimum)	PS-ACR dB/100 m (328 ft.) (minimum)	NEXT dB (minimum)	PS-NEXT dB (minimum)	ELFEXT dB/100 m (minimum)	PS ELFEXT dB/100 m (minimum)	Return Loss dB (minimum)
1	2	77.3	75.3	79.3	77.3	69.8	66.8	20
4	3.8	66.5	64.5	70.3	68.3	57.7	54.7	23
8	5.3	60.5	58.5	65.8	63.8	51.7	48.7	24.5
10	5.9	58.4	56.4	64.3	62.3	49.8	46.8	25
16	7.5	53.8	51.8	61.3	59.3	45.7	42.7	25
20	8.4	51.4	49.4	59.8	57.8	43.8	40.8	25
31.25	10.5	46.4	44.4	56.9	54.9	39.9	36.9	25
62.5	15.1	37.2	35.2	52.4	50.4	33.9	30.8	21.5
100	19.4	29.9	27.9	49.3	47.3	29.8	26.8	20.1
155	24.6	21.9	19.9	46.5	44.5	26	23	18.8
200	28.3	16.5	14.5	44.8	42.8	23.8	20.8	18
250	32	11.4	9.4	43.3	41.3	21.8	18.8	17.3
300	35.4	6.8	4.8	42.2	40.2	20.3	17.3	16.8
400	41.6	—	—	40.3	38.3	17.8	14.8	15.9
500	47.3	—	—	38.8	36.8	15.8	12.8	15.2
550	49.9	—	—	38.2	36.2	15	12	14.9

- Perfect for digital video, 100-Mbps TP-PMD, and 155-Mbps ATM networks.
- Great for 622-Mbps ATM,

Gigabit Ethernet, and
wideband Ethernet.

- Complies with ICEA S-90-661 (Category 5X-160), ISO/IEC

11801, ANSI/TIA/EIA-568A (Category 5), and UL[®] MPR/CMR, CMG, or MPP/CMP.

Specifications

ACR: 29.9 dB (minimum) @ 100 MHz

Attenuation:

19.4 dB/100 m (maximum) @ 100 MHz; 49.9 dB/100 (maximum) @ 550 MHz

Conductor: 23 AWG, solid, bare copper

Delay Skew (Maximum): 25 ns/100 m

ELFEXT: 29.8 dB (minimum) @ 100 MHz; 15 dB @ 550 MHz

Characteristic Impedance: 1–550 MHz; 100 ±15 ohms

Input Impedance: 1–250 MHz; 100 ±15 ohms

NEXT: 49.3 dB (minimum) @ 100 MHz; 38.2 dB @ 550 MHz

PS-ACR: 29.9 dB (minimum) @ 100 MHz

PS-ELFEXT: 26.8 dB (minimum) @ 100 MHz; 12 dB @ 550 MHz

PS-NEXT: 47.3 dB (minimum) @ 100 MHz; 36.2 dB (minimum) @ 550 MHz

Return Loss: 20.1 dB (minimum) @ 100 MHz; 15.2 dB (minimum) @ 550 MHz

Velocity of Propagation: 62.2% minimum @ 550 MHz

Ordering Information

ITEM	CODE
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GigaTrue[®] 550 CAT6, 550-MHz Bulk Cable, 4-Pair, 1100-ft. (335.3-m), Boxed Reel PVC

Red	EYN868A-1100
Blue	EYN870A-1100
Yellow	EYN872A-1100
White	EYN874A-1100
Gray.....	EYN876A-1100
Green.....	EYN878A-1100

Plenum

Red	EYN869A-1100
Blue	EYN871A-1100
Yellow	EYN873A-1100
White	EYN875A-1100
Gray.....	EYN877A-1100
Green.....	EYN879A-1100