

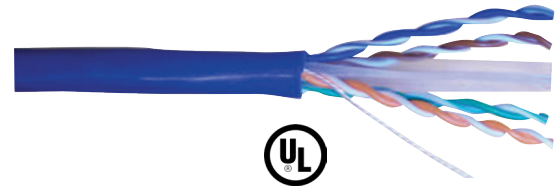
DT-CAT6-PLENUM-BL

CAT6, CMP (Plenum Rated), 23 AWG Bare Solid Copper, 1000', Blue Flame Retardant PVC

The DataTronix CAT6 Plenum Cable is engineered to meet stringent fire safety standards, making it safe for installation in air handling spaces (plenum areas) where typical cables could present a serious fire hazard due to increased air circulation. Featuring a robust blue jacket and outstanding fire-resistant properties, this 1000' plenum-rated (CMP) cable ensures reliable data transmission and is ideal for commercial and professional settings that demand secure, high-performance networking solutions.

Key Features:

- **Superior Construction:** Bare solid copper 23AWG 4-pair design for unmatched conductivity and signal quality.
- **Fire-Safe Materials:** Plenum-rated for low smoke and toxicity, perfect for air-handling spaces like HVAC ducts.
- **High Data Speeds:** Supports up to 550MHz, making it ideal for gigabit Ethernet, video streaming, and other bandwidth-intensive tasks.
- **Compliance You Can Trust:** Fully compliant with TIA/EIA-568-C.2 standards, ISO/IEC 11801 standards, and UL listed for safety.



Physical Specifications

Type	UTP CAT6 4PR/8C
Conductor	
Conductor	23 AWG Bare Solid Copper
Cable Size	4p
Conductor Diameter Nom.	0.022" (0.570.2 mm)
Material	Bare Solid Copper
Insulation	
Material	FEP (Fluorinated Ethylene Propylene)
Insulation Diameter Nom.	(1.0±0.05 mm)
Jacket	Flame Retardant PVC CMP
Outer Diameter Nom.	0.244" (5.7±0.3mm)
Color Code	White/Blue, White /Green, White/ Brown, White/Orange, White with Stripe - Insulation

Electrical Characteristics

MHz	Return Loss	Loss (dB/100M)	NEXT	PSNEXT	ELFEXT	PSELFEXT	PD NS/100m	PD Skew nS/100m
1	20.0	2.0	74.3	72.3	67.8	64.8	570	45
4	23.0	3.8	65.3	63.3	55.8	52.8	570	45
8	24.5	5.3	60.8	58.8	49.7	46.7	570	45
10	25.0	6.0	59.3	57.3	47.8	44.8	545	45
16	25.0	7.6	56.2	54.2	43.7	40.7	545	45
20	25.0	8.5	54.8	52.8	41.8	38.8	545	45
25	24.3	9.5	53.3	51.3	39.8	36.8	545	45
31.25	23.6	10.7	51.9	49.9	37.9	34.9	545	45
62.5	21.5	15.4	47.4	45.4	31.9	28.9	545	45
100	20.1	19.8	44.3	42.3	27.8	24.8	538	45
155	18.8	25.2	41.4	39.4	24.0	21.0	538	45
200	18.0	29.0	39.8	37.8	21.8	18.8	538	45
250	17.3	32.8	38.3	36.3	19.8	16.38	536	45
300	16.8	36.4	37.1	35.1	18.3	15.3	538	45
350	16.3	39.8	36.1	34.1	16.9	13.9	538	45