



VERTICAL CABLE

CAT6 CMP CABLE

F/UTP (SHIELDED)

168-400 SERIES

DESCRIPTION

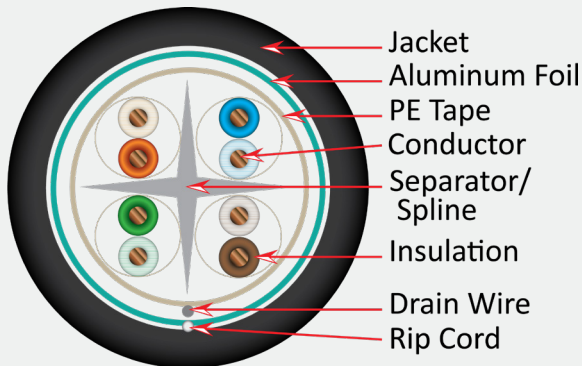
CAT6, PoE Type 4, 23 AWG F/UTP (Shielded), CMP (Plenum-Rated) Solid Bare Copper, 550 MHz, 1000 ft.

FEATURES

- Overall Foil-Shielded Twisted-Pair (F/UTP) Construction
- Plenum Fire Safety Rating (CMP)
- 23 AWG Bare Copper Conductors
- Easy-to-See Vivid-Color Conductor Insulation & Jacket
- Meets or exceeds ANSI/TIA-568.2-D
- ETL-Listed, RoHS Compliant
- Packaging: 1,000 ft Wooden Spool (15 in. x 11 in.)
- Weight: 45.2 lbs (20.5 kg)

Compatible with VC RJ45 plugs

012-021-100 | 012-026/EZF-100



PART NUMBERS			
168-400/S/P/BK	● (Black)	168-403/S/P/GY	● (Grey)
168-401/S/P/BL	● (Blue)	168-408/S/P/WH	○ (White)
168-402/S/P/GR	● (Green)	168-409/S/P/YL	● (Yellow)

CONSTRUCTION

Tape: PE Tape (20/0.025 mm)
 Drain Wire: Solid Tinned Copper
 Shield: Aluminum/Poly Tape
 100% coverage with 25% overlapping
 Separator: Yes, LSZH CROSSWEB
 Ripcord: Yes, Kevlar

CONDUCTORS

Size: Solid Bare Copper

INSULATION

Outside Diameter: 0.045 in. (1.15 mm)
 Color Coding: Pair 1: Blue/White-Blue Pair 2: Orange/White-Orange
 Pair 3: Green/White-Green Pair 4: Brown/White-Brown

JACKET

Nominal Thickness: Plenum PVC
 0.02 in (0.40 mm)
 Outer Diameter: 0.28 in (7.1 mm)
 Marking: 4PR 23AWG SOLID CAT6 550MHZ F/UTP
 CMP FT6 75C 5011596 (ETL) C(ETL)---ETL
 VERIFIED TO ANSI/TIA-568.2-D 10/31/2022
 ROHS COMPLIANT XXXXFT



Florida (HQ)
800-749-2447

California
951-696-7772

New York
845-391-8318

Texas
713-322-7242

verticalcable.com

This specification sheet is subject to change without notice.



RoHS

Intertek

Rev. 04/2026

ELECTRICAL CHARACTERISTICS

Temperature Rating:	75°C
Voltage Rating:	300V
Capacitance:	5.6nF/100m .Nom
Characteristic Impedance:	1.0-100 MHz Impedance, 100±15% 101-250 MHz Impedance, 100±22% 251-500 MHz Impedance, 100±25%
Velocity of Propagation:	≥67%
DCR Conductor:	9.38 Ohms/100m .Nom
DC Resistance Unbalance:	≤4%≤

Frequency (Mhz)	Attenuation (dB/100m)	NEXT (dB)	ACRF (dB/)	PS.NEXT (dB)	PS.ACRF (dB)	RL (dB)	Delay (ns/100m)	Skew (ns/100)
1	2.0	74.3	67.8	72.3	64.8	20.0	570	45
4	3.8	65.3	55.8	63.3	52.8	23.0	552	
8	5.3	60.8	49.7	58.8	46.7	24.5	547	
10	6.0	59.3	47.8	57.3	44.8	25.0	545	
16	7.6	56.2	43.7	54.2	40.7	25.0	543	
20	8.5	54.8	41.8	52.8	38.8	25.0	542	
25	9.5	53.3	39.8	51.3	36.8	24.3	541	
31.25	10.7	51.9	37.9	49.9	34.9	23.6	540	
62.5	15.4	47.4	31.9	45.4	28.9	21.5	539	
100	19.8	44.3	27.8	42.3	24.8	20.1	538	
200	29.0	39.8	21.8	37.8	18.8	18.0	537	
250	32.8	38.3	19.8	36.3	16.8	17.3	536	
300	36.4	37.1	18.3	35.1	15.3	16.8	536	
350	39.8	36.1	16.9	34.1	13.9	16.3	536	
400	43.0	35.3	15.8	33.3	12.8	15.9	536	
500	48.9	33.8	13.8	31.8	10.8	15.2	536	