

# Show Me

## CABLES

cables & connectors since 1995

Our Category 8 indoor/outdoor 40G (S/FTP) high performance data communications cable is ideal for a large data driven network installation. This cable is designed for short runs indoor or outdoor up to 30 Meters in length. Our Category 8 cable has 4 pairs of 23AWG solid bare copper conductors, individually shielded pairs with an overall TC braiding and a LSZH Jacket. Our bulk cable is supplied on a 500ft wooden spool and is marked in descending order so you always know how much cable is left.

### Applications

- 40GBASE-T
- Rackcenters Topologies Supported:
- Top-of-Rack (ToR)
- End-of-Row (EoR)
- Middle-of-Row (MoR)

### Compliance

- ISO/IEC 11801;IEC61156, YD/T1019
- TIA/EIA-568-C.2-1 Category 8
- RoHS Compliance For The Requirement Of European Union Issued Directive 2002/95/EC

### Physical Characteristics

- Conductor Size: 23 AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: Skin-Foam-Skin Polyethylene
- Insulation Diameter: 1.45 mm
- Number Of Conductors: 8 Conductors / 4 Pairs
- Inner Pair Shielding: AL/Mylar
- Outer Shield Material: TC Braiding
- TC Braiding Coverage: 60%
- Outer Jacket Material: LSZH
- Outer Jacket Diameter: 9.0mm
- Outer Jacket Rip Cord: Yes
- Outer Jacket UV Resistant: Yes

### Pair Color Code Chart

- Pair 1 — White/Blue Stripe & Blue
- Pair 2 — White/Orange Stripe & Orange
- Pair 3 — White/Green Stripe & Green
- Pair 4 — White/Brown Stripe & Brown

### Mechanical Characteristics

- Installation Temperature Range: 0°C-60°C
- Operating Temperature Range: -20°C-75°C
- Storage Temperature Range: -20°C-75°C
- Bulk Cable Weight: 37 lbs./ 500FT
- Max. Recommended Pulling Tension: 400N
- Min. Bend Radius/Minor Axis: 10xOD
- Min. Bend/Installation: 8xOD
- Test Object: Jacket
- Test Material: LSZH
- Before Tensile Strength: ≥10.0 Mpa
  - Aging Elongation: ≥125%
  - Aging Condition: 100°C x 24hrs x 7Days
- After Tensile Strength: ≥8.0
  - Aging Elongation: ≥100%
  - Cold Bend: No Visible Cracks (-20±2"x4h)

### Jacket Printing

PRIMUS CABLE CAT8 S/FTP 4PR 23AWG 40G CMR  
ANSI/TIA-568-C.2-1 ZONE A B C D E F / DEVICE 1 2 3  
4 5 6 7 8 9 (VID.####) #####FT

Sequential foot markers on jacket.

### Optional All-In-One Stripping Tool

This tool can strip Coax, CAT 3, CAT 5e, CAT 6, CAT 6A, CAT 7, CAT 7A, CAT 8 Shielded, Plenum or PVC as well as round Telephone and Audio Cables as well as single and multi-mode fiber-optic cable. The system includes preset Coax blades, Cable & Wire Cutter, Braid Comb and Adjustable stripper for Twisted Pair and Audio Cable Jacket Stripper.



TL5-4607

# CAT8 SHIELDED BULK PVC ETHERNET CABLE- BLUE

PART NO. 86-350-500

## CAT 8



### Available Jacket Colors

- Blue Item# C8SS-1731BL

### Cable Features

- Meets Or Exceeds CAT 8 T568-C.2-1 Standards
- Easy To Use Wooden Spool
- Extra Headroom Provides Room For Growth
- Low Attenuation And Power-Sum Crosstalk

### Construction Facts

- Cable Has High Density Polyethylene Insulation
- AL Shielding Is Used To Help Eliminate Interference
- Longitudinal Rip Cord For Easy Jacket Opening

### Cable Put-Ups:

Cable is supplied in 500ft increments on a wooden spool.

### Electrical Characteristics

- Unbalanced to Ground Capacitance Max: 330 (pF/100m)
- Nominal Velocity of Propagation: 72%
- Maximum Delay: 534.8 @ 2000MHz (ns/100m)
- Maximum Delay Skew: ≤ 45 (ns/100m)
- Maximum Conductor DC Resistance: 6.79 (@ 20°C OHm/100m)
- Maximum Operating Voltage - UL: N/A
- Maximum DCR Unbalanced: 5% (@ 20°C)
- Attenuation (Maximum)
  - 68.36dB/100m (328.1ft.) @ 1200MHz
  - 90.50dB/100m (328.1ft.) @ 2000MHz
- NEXT (Minimum)
  - 59.2dB/100m (328.1ft.) @ 1200MHz
  - 55.9dB/100m (328.1ft.) @ 2000MHz
- Return Loss (Minimum)
  - 14.66dB/100m (328.1ft.) @ 1200MHz
  - 13.11dB/100m (328.1ft.) @ 2000MHz

### CAT 8 40Gig Solid Bulk Cable Electrical Specifications

Frequency MHz (Maximum)	ATT dB/100 m (328 ft.) (Maximum)	ACR dB/100 m (328 ft.) (Maximum)	DELAY ns/100 m (328 ft.) (Minimum)	NEXT dB/100 m (328 ft.) (Minimum)	PS-NEXT dB/100 m (328 ft.) (Minimum)	ELFEXT dB/100 m (328 ft.) (Minimum)	PS-ELFEXT dB/100 m (328 ft.) (Minimum)	Return Loss dB (Minimum)
4.0	3.75	N/A	552.0	78.0	N/A	N/A	N/A	23.0
10.0	5.82	N/A	545.4	78.0	N/A	N/A	N/A	25.0
16.0	7.34	N/A	543.0	78.0	N/A	N/A	N/A	25.0
20.0	8.21	N/A	542.0	78.0	N/A	N/A	N/A	25.0
31.25	10.26	N/A	540.4	78.0	N/A	N/A	N/A	25.0
40.0	11.62	N/A	539.7	78.0	N/A	N/A	N/A	25.0
62.5	14.57	N/A	538.6	78.0	N/A	N/A	N/A	23.64
100	18.53	N/A	537.6	75.4	N/A	N/A	N/A	22.21
300	32.69	N/A	536.1	68.2	N/A	N/A	N/A	17.32
600	47.10	N/A	535.5	63.7	N/A	N/A	N/A	16.77
900	58.51	N/A	535.2	61.1	N/A	N/A	N/A	15.53
1000	61.93	N/A	535.1	60.4	N/A	N/A	N/A	15.21
1200	68.36	N/A	535.0	59.2	N/A	N/A	N/A	14.66
1400	74.36	N/A	535.0	58.2	N/A	N/A	N/A	14.19
1600	80.01	N/A	534.9	57.3	N/A	N/A	N/A	13.79
1800	85.37	N/A	534.8	56.6	N/A	N/A	N/A	13.43
2000	90.50	N/A	534.8	55.9	N/A	N/A	N/A	13.11