



CAT7 S/FTP CABLES

CAT7 S/FTP DATA CABLE

High-Performance Structured Cabling Solution

DESCRIPTION

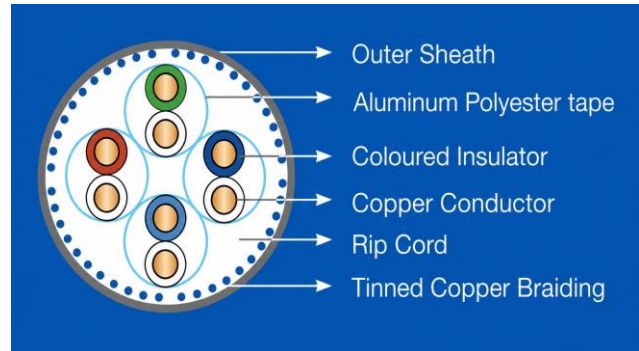
VeiNet CAT7 S/FTP DATA CABLE 23 AWG copper wire insulated with Foam Skin Polyethylene. Two insulated conductors twisted together to form a pair and four such pairs covered by a Aluminum Polyester tape form the core unit. Enhanced performance cable enables delivering high speed network.

PRODUCT APPLICATION

- 10G BASE-T (IEEE 802.3)
- 1000 BASE-T (IEEE 802.3ab)
- 1000 BASE-TX
- Data center I/O consolidation
- Backbone aggregation
- Network interconnects
- High-speed computing / parallel processing
- Legacy LAN systems, video, BAS
- Supports **PoE (IEEE 802.3af & 802.3at)**

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Maximum tensile load: 110 N (installation)
Minimum bend radius: 8 × cable diameter
Temperature:
Installation: 0°C to +50°C
Operation: -10°C to +60°C



ELECTRICAL PROPERTIES

- Characteristic impedance: $100 \pm 15 \Omega$ @ 100 MHz
- Conductor loop resistance: $< 25 \Omega / 100 \text{ m}$
- Resistance unbalance: Max 3%
- Mutual capacitance: $5.6 \text{ nF} / 100 \text{ m}$
- Delay skew: $\leq 45 \text{ ns} / 100 \text{ m}$ @ 100 MHz
Propagation delay: $< 536 \text{ ns} / 100 \text{ m}$

COLOR CODE

- 1 Blue / White
- 2 Orange / White
- 3 Green / White
- 4 Brown / White

CONSTRUCTION DETAILS

Conductor: Copper
Insulation: Foam Skin PE
Shielding:
Aluminum Polyester Tape
Tinned Copper Braid
Rip cord included

COMPLIANCE / ADDITIONAL

- RoHS compliant (shown on datasheet)
- Flame retardant
- Electromagnetically shielded

TRANSMISSION CHARACTERISTICS PER 100M

Frequency (Mhz)	Insertion Loss Max.(db/100 m)	Min. RL (DB)	PR- PR Min. NEXT(db)	Min. PSNEXT (db)	Min ACRF (db)	Min PSACRF (dB)
4	4.1	19.0	65.0	62.0	65.0	62.0
10	6.4	19	65.0	62.0	60.8	57.8
20	9.1	17.5	65.0	62.0	55.9	52.9
31.25	11.4	16.5	65.0	62.0	52.8	49.8
62.5	16.3	14.0	65.0	62.0	47.8	44.8
100	20.3	12.0	62.9	59.9	44.4	41.4
250	32.5	8.0	56.9	53.9	37.8	34.8
300	37.3	8.0	55.7	52.7	36.4	33.4
400	43.6	8.0	53.8	50.8	34.3	31.3
500	49.3	8.0	52.4	49.4	32.6	29.6
600	54.6	8.0	51.2	48.2	31.3	28.3



Flame Retardant



Electromagnetically Shielded / Dielectric

ORDERING INFORMATION

Part Code	Description
VNT-C7SFTPGR-305	CAT7 S/FTP 23AWG Solid: 305M

PACKING

Reels of guaranteed 305m Length

Canscorp Engineers Private Limited

Shop no. 5, Adinath Alpine Building, Plot no. 28 A, Sector-25,
Khandeshwar, Panvel, Navi Mumbai, Maharashtra 410209
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