

PRODUCT DATA SHEET

Category 8 Solution



Category 8 S/FTP (4 Pair) Cable

Product Specifications

Test Standard	ANSI/TIA-568.2-D Cat8.1 and ISO/IEC 11801-1 ,ed.1
PoE Compliance	Suitable for PoE++ (IEEE802.3at and IEEE802.3bt) applications
Cable - Outer Diameter	6.0mm-8.6mm
Conductor - Material	Solid-Bare Copper
Conductor - Dimension	23AWG (0.580mm)
Insulation - Material	Foam PE
Insulation - Diameter	1.37 ± 0.05 mm
Inner - Sheath - Material	Aluminium-Mylar
Outer - Sheath - Material	Tinned Copper Braiding
Jacket	Yellow, RAL1021
External - O.D	7.8 ± 0.3 mm

Part Numbers

Model No :	Description :
CABLE-SFTP-C8-LSZH-YL	Cat8 S/FTP Solid Cable- LSZH
CABLE-SFTP-C8-PVC-YL	Cat8 S/FTP Solid Cable- PVC

Introduction :

As network infrastructure evolves to meet the increasing demands of high-speed data transmission, Cat8 cabling stands out as the premier choice for data centres, enterprise networks, and high-performance computing environments. Designed to support 40Gbps speeds over a maximum channel length of 30 meters, Cat8 is the ultimate solution for low-latency, high-bandwidth applications where reliability and performance are critical.

Key Features & Performance :

- **Speeds up to 25/40Gbps** – Supports ultra-fast data transmission for bandwidth-intensive environments.
- **Maximum Channel Length of 30m** – Ideal for short-run, high-speed data centre interconnects.
- **Superior Shielding (S/FTP)** – Reduces electromagnetic interference (EMI) for a stable, high-quality signal.
- **Up to 2000MHz Bandwidth** – Ensures superior performance and future-ready capacity.
- **Backward Compatible** – Works seamlessly with Cat6A and lower-category cabling for flexible integration.

Applications :

- **Data Centres** – High-speed server-to-switch and switch-to-switch connectivity.
- **Enterprise Networks** – Ideal for low-latency, high-performance LAN environments.
- **High-Frequency Trading (HFT)** – Supports real-time, latency-sensitive applications.
- **Edge Computing & AI Workloads** – Handles heavy data processing with minimal lag.

Key Benefits :

- **Future-Proof Performance** – Supports the next generation of high-speed networking.
- **Reduced Latency & Jitter** – Ensures optimal performance for mission-critical applications.
- **Reliable & Secure Transmission** – Enhanced shielding minimizes crosstalk and external interference.
- **Easy Integration** – Works with existing network infrastructure while enabling high-speed upgrades.

Our Cat8 channel link delivers unmatched speed, reliability, and efficiency, making it the perfect choice for next-generation network environments where performance and scalability are essential.

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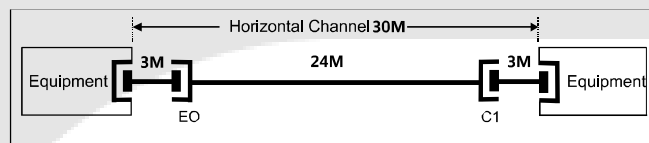
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Connectors



Channel Test :



Channel Test Report :

Cable ID: CAT.8 CHANNEL TEST 2000MHz - 3M/24M/3M			PASS		
Cat 8 S/FTP 2017-08-18 13:31			Headroom (NEXT): 4.3 dB S/N: 1715083		
ISO11801 Channel Class I DSX-8000					
Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 36, 1990.0 MHz	PASS	30.9	32.6	1.7
NEXT (dB)	Pair 36-45, 1020.0 MHz	PASS	23.6	19.3	4.3
PS NEXT (dB)	Pair 36, 1228.0 MHz	PASS	18.8	13.7	5.1
ACR-N (dB)	Pair 12-36, 87.8 MHz	PASS	44.2	38.1	6.1
PS ACR-N (dB)	Pair 36, 68.0 MHz	PASS	41.3	35.0	6.3
ACR-F (dB)	Pair 78-36, 1898.0 MHz	PASS	10.1	6.4	3.7
PS ACR-F (dB)	Pair 36, 1884.0 MHz	PASS	7.0	3.5	3.5
RL (dB)	Pair 45, 1370.0 MHz	PASS	13.8	8.0	5.8
Length (m)	Pair 12		32.3		
Prop. Delay (ns)	Pair 36	PASS	139	169	30
Delay Skew (ns)	Pair 36	PASS	1	16	15
Resistance (ohms)	Pair 78	PASS	4.14	6.40	2.26
Resistance Unbalance (ohms)	Pair 45	PASS	0.019	0.200	0.181
Resistance P2P Unbalance (ohms)	Pair 45-78	PASS	0.032	0.140	0.108
Wire Map		PASS			

Patch Cord :

Both ends with RJ45 plugs & assembly boot, mainly used for stranded cables :



Toolless Termination plugs, used for both solid and stranded cables :



Moulded Patch Cord, mainly used for stranded cables :



Part Numbers

Model No :	Description :
JACK-C8-STP-SR	Cat8 STP Keystone Jack Silver
PC-C8-SFTP-XM-YY	Patch Cord Cat8 S/FTP 26AWG

- XM – Length : 1m, 2m, 3m
- YY – Sheath : PVC, LSZH

Globalsix - Johannesburg

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Laser Park,
Johannesburg,
South Africa

Contact No : +27 (0) 11 794 8301

Globalsix - Cape Town

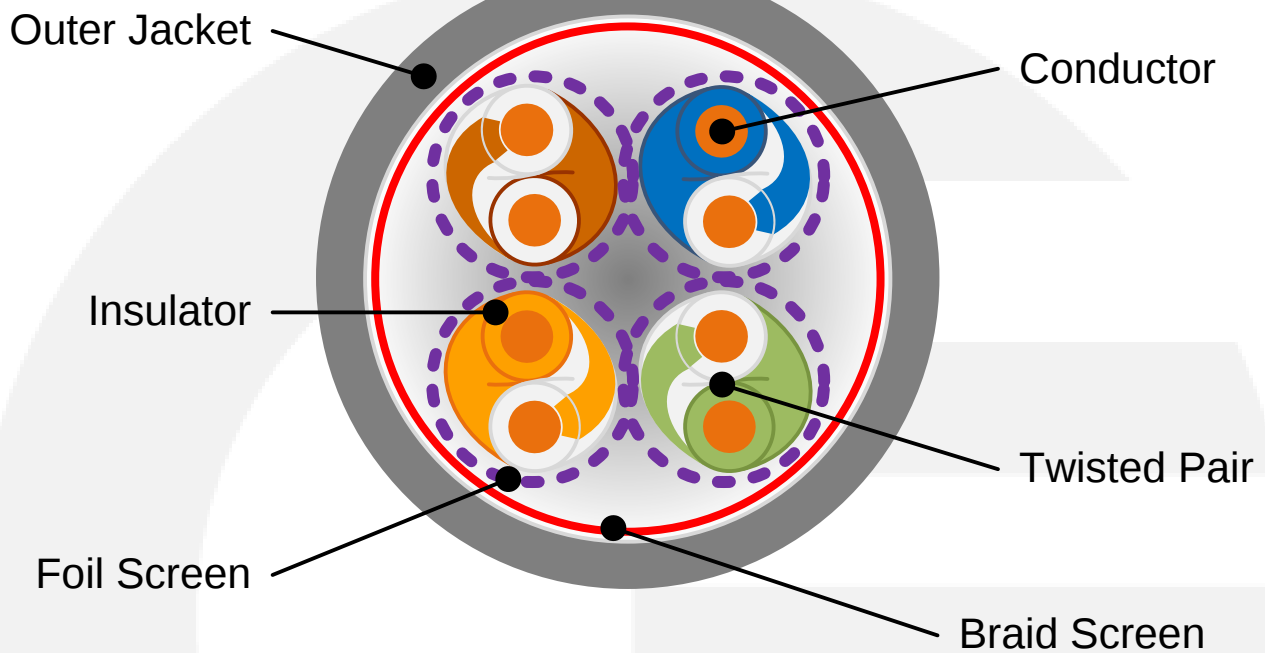
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S / FTP



Packaging Info

Packaging : Reel

Packaging Length: 50m, 100m

Other Characteristics

Operating Temperature » -40°C to 80°C

Installation Temperature » 0°C to 60°C

Flame Resistance » IEC60332-1

This cable meets RoHS requirements

Electrical Characteristics 20°

Capacitance Unbalance (pair to ground) $\leq 99\text{pF}/30\text{m}$ @ 1 kHz

Velocity of Propagation (%) 78

Dielectric Strength : DC1KV for 1min

DC Resistance ($\Omega/100\text{m}$) max 9.5

DC Conductor Resistance Unbalance (%) max 5.0

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