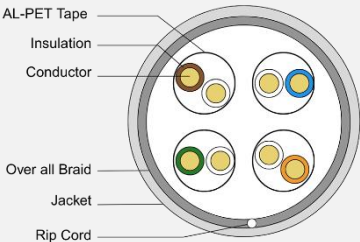


## SCHNELL CAT 6A S/FTP 23 AWG 4 PAIR CABLE

Schnell Category 6A S/FTP 23 AWG cable is engineered for 10G Ethernet and high-speed networking, tested up to 500 MHz. With individual foil shielding for each pair and an overall braid shield, it provides exceptional EMI protection and alien crosstalk performance. Suitable for high-performance structured cabling in enterprise networks, data centers, and industrial environments.



### DIAGRAM & CONSTRUCTION

Conductor	: Bare Copper		Pair Shielding	: Aluminium Foil (each pair)
Type	: 23 AWG		Overall Shield	: Tinned Copper Braid
Conductor Size	: Solid		Drain Wire	: Tinned Copper
Conductor			Outer Jacket	: LSZH
Construction	: HDPE		Material	: As per requirement
Insulation			Outer Jacket Color	
Material				

### ELECTRICAL CHARACTERISTICS

Impedance	: 100 ±10 Ω
DC Resistance	: ≤ 9.38 Ohm/100 m
Resistance Unbalance	: ≤ 5%
Mutual Capacitance	: 5.6 nF/100 m
Capacitance Unbalance	: ≤ 330 pF/100 m
Propagation Delay Skew	: ≤ 45 ns/100 m
Dielectric Strength	: 1.5 kV
Operating Voltage	: 300V DC

### PHYSICAL CHARACTERISTICS

Cable Outer Diameter	: 7.5 ± 0.3 mm
Min. Bend Radius (Install)	: 8 × OD
Min. Bend Radius (Fixed)	: 4 × OD
Operating Temperature	: -20°C to +75°C
Installation Temperature	: 0°C to +60°C
Storage Temperature	: -20°C to +75°C

### KEY FEATURES

- Fully shielded (S/FTP) for maximum EMI protection
- Supports 10GBASE-T over 100 meters
- Excellent Alien Crosstalk & NEXT performance
- Ideal for high-speed enterprise and data networks

### KEY APPLICATIONS

- Data center backbone and horizontal cabling
- 10 Gigabit Ethernet & high-speed transmissions
- Shielded environments prone to electrical noise
- Industrial & PoE+ installations

### REACTION TO FIRE

Flame Retardant	: IEC 60332-1-2
Smoke Density	: IEC 61034-2
Halogen Content	: IEC 60754-1/2
LSZH Compliance	: Yes

### STANDARDS

- ANSI/TIA-568.2-D
- ISO/IEC 11801 Class EA
- IEC 61156-5
- EN 50173-1
- RoHS & REACH Compliant

**TRANSMISSION PERFORMANCE**

Freq (MHZ)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ACRF (ELFEXT)(dB)	PSACRF [PSELFEXT] (dB)	Return Loss (dB)
	Max.	Min.	Min.	Min.	Min.	Min.
1	2.3	65	62	63.3	60.3	19
4	4.2	63	60.5	51.2	48.2	19
8	5.8	58.2	55.6	45.2	42.2	19
10	6.5	56.6	54	43.3	40.3	19
16	8.2	53.2	50.6	39.2	36.2	18
20	9.2	51.6	49	37.2	34.2	17.5
25	10.2	50	47.3	35.3	32.3	17
31.25	11.5	48.4	45.7	33.4	30.4	16.5
62.5	16.4	43.4	40.6	27.3	24.3	14
100	20.9	39.9	37.1	23.3	20.3	12
200	30.1	34.8	31.9	17.2	14.2	9
250	33.9	33.1	30.2	15.3	12.3	8
300	37.4	31.7	28.8	13.7	10.7	7.2
400	43.7	28.7	25.8	11.2	8.2	6
500	49.3	26.1	23.2	9.3	6.3	6

**PACKING INFORMATION**

Part Number	Packing Mode	Roll Length	N.W (kg)	G.W (kg)	Dimension (mm)
SCZ-5010C6A23SGY	Plywood Reel/Ctn	305 Mtr	17.1	18.7	420 x420x 260
SCZ-5010C6A23SLZGY	Plywood Reel/Ctn	305 Mtr	17.1	18.7	420 x420x 260

**PART NUMBER**

Part Number	Description
SCZ-5010C6A23SGY	SCHNELL CAT 6A 23 AWG 4 PAIR S/FTP CABLE PVC GREY 305 MTR
SCZ-5010C6A23SLZGY	SCHNELL CAT 6A 23 AWG 4 PAIR S/FTP CABLE LSZH GREY 305 MTR