



Ref No: BCS11995ENH

DESCRIPTION :

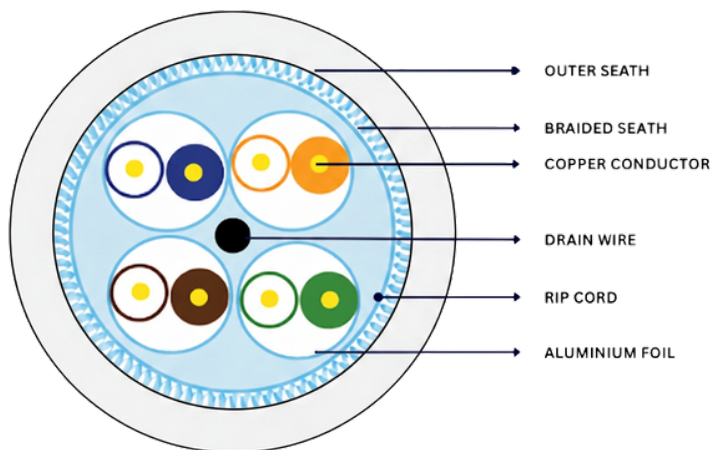
Category 8 (CAT8) S/FTP 4-Pair 23 AWG Premise Horizontal Cable (2000 MHz), White
4-Pair 23 AWG Solid Bare Copper Conductors, HDPE Insulation, Individually Foil Shielded Pairs (F/UTP) with Overall Braided Shield (S/FTP), and LSZH/PVC Jacket,

APPLICATION :

Data Centers, Enterprise Networks, Structured Cabling, LAN Infrastructure, Server Connectivity, and High-Speed Data Transmission.

CONSTRUCTION :

Cores	4 Pair
Section	23AWG
Conductor Material	Solid Bare Copper
Insulation	High-Density Polyethylene (HDPE)
Colour Code	Pair 1: WHITE/Blue + BLUE Pair 2: WHITE/Orange + ORANGE Pair 3: WHITE/Green + GREEN Pair 4: WHITE/Brown + BROWN
Rip Cord	Nylon Yarn
Sheath Material	LSZH/HFFR , PVC
Sheath Color	White
Standard Put Up Length	305, 500 meters



PHYSICAL & MECHANICAL CHARACTERISTICS :

Operating Temperature (°C)	-20°C to +75°C
Screen type	S/FTP
Nominal Sheath Thickness (mm)	0.60 mm
Nominal Overall Diameter (mm)	7.2 ± 0.3 mm
Max. Pull Tension (N)	110
Min. Bend Radius (install) (mm)	60 mm (≈ 8 × cable diameter)

STANDARD REFERENCES :

EN 50290-2, IEC 60332-1
ANSI/TIA/EIA-568-C2
ISO 11801
RoHS Directives

ELECTRICAL CHARACTERISTICS :

Conductor Resistance (Ohm/100m)	≤ 9.38 Ohm/100m
Mutual Capacitance (pF/m)	≤ 5.6 pF/m
Impedance (Ohm)	100 ± 15
Velocity of Propagation (%)	78
Maximum Delay Skew (Ns/100m)	45
Max. Operating Voltage (Volts RMS)	300 V (Vrms)



TRANSMISSION PERFORMANCE :

Frequency (MHz)	Min.Return Loss(dB/100m)	Max. Attenuation (dB)	NEXT (dB)	PSNEXT (ns/100m)	Prop. Delay (ns/100m)	ACR-F (dB/100m)	PS-ACR-F (dB/100m)
1	20.0	1.12	78.0	75.0	570	78.0	75.0
4	23.0	1.12	78.0	75.0	552	78.0	75.0
8	24.5	1.57	78.0	75.0	547	78.0	75.0
10	25.0	1.75	78.0	75.0	545	78.0	75.0
16	25.0	2.20	78.0	54.2	543	76.5	73.5
16	25.0	2.20	78.0	54.2	543	76.5	73.5
20	25.0	2.46	78.0	75.0	542	74.6	71.6
25	25.0	2.75	78.0	75.0	541	72.7	69.6
31.25	25.0	3.08	78.0	75.0	540	70.7	67.7
62.50	23.6	4.37	78.0	75.0	539	64.7	61.7
100	22.2	5.56	75.4	72.4	538	60.6	57.6
200	20.1	7.94	70.9	67.9	537	54.6	51.6
250	19.4	8.92	69.4	66.4	536	52.6	49.6
300	18.9	9.81	68.2	65.2	536	51.1	48.1
400	18.0	11.40	66.4	63.4	536	48.6	45.6
500	17.3	12.83	64.9	61.9	536	46.6	43.6
600	16.8	14.13	63.7	60.7	535.5	45.0	42.0
1,000	15.2	18.58	60.4	57.4	535.1	40.6	37.6
1,500	14.0	23.17	57.8	54.8	534.9	39.1	34.1
2,000	13.1	27.15	55.9	52.9	534.8	34.6	31.6

BELFAST ACCREDITED BY :

