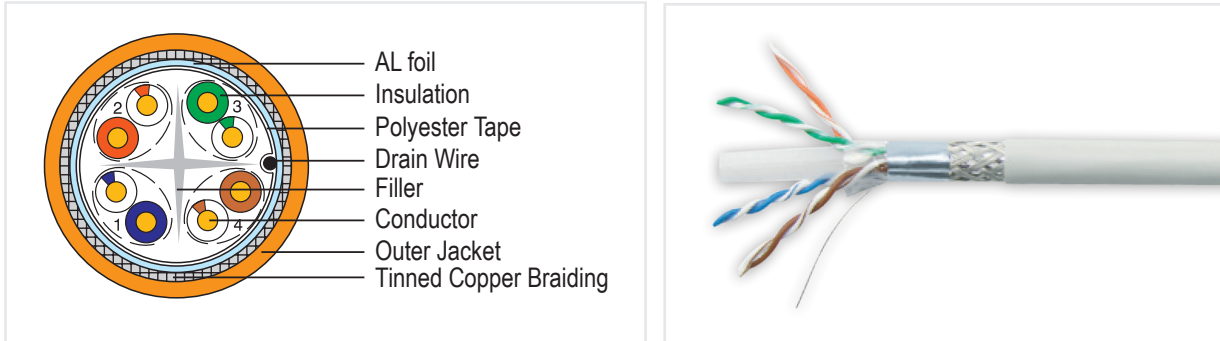


Category 6 S/FTP Cable

Techlogiks Cat 6 shielded foiled twisted pair in a 23 AWG conductor features more stringent specifications for cross-talk and system noise. The cable standard provides performance of up to 250 MHz and applies to 1000Base-T, 1000Base-TX, 100 Base-T4, 100Base-TX, 100VG-AnyLAN, 155Mbps ATM, 622Mbps ATM.



Standards

UL Subject 444, EIA/TIA 568B.2-1 & ISO/IEC 11801, IEC 61163

Construction		
Structure	Construction	SFTP
	Number of Pairs	4 Pair
	AWG	23AWG
	Conductor Dimension (mm)	0.570
	Solid or Stranded; Bare or Tinned	Solid Bare Copper
Insulation	insulation material	HDPE
	Insulation Dimension [mm]	1.03
	Number Colour (Ring or Strip marking)	1.White/Blue & Blue 2.White/Orange & Orange 3.White/Green & Green 4.White/Brown & Brown
	Cross Filler	Yes
Shield	Outer Shield and Material	AL Foil
	Braid	Tinned Copper Braiding
	Drain Wire	Tinned Copper
Outer Jacket	Outer Jacket Material	PVC or LSZH
	Overall Nominal Diameter (mm)	7.2±0.3

Electrical Characteristics	
Nam. Mutual Capacitance @ kHz	≤5.6 nF/100M
Max. Capacitance unbalance (pF/ 100m)	≤330pF /100M(Per TIA/EIA-568B.2)
	≤160pF /100M(Per IEC 61156)
Nominal Velocity of Propagation	65%
Max. Delay Skew (ns/100m)	≤45ns/100M
Max. Conductor DC Resistance @ 20 Deg. C	9.38Ω /100M (24AWG)
Max. DC Resistance unbalance @ 20 Deg. C	≤5%(per TIA/EIA-568B.2)
	≤2%(per IEC 61156-5)

CAT 6 CABLE



Mechanical Characteristics

Operating Temp. Range	-20~70°C
Max. Recommended Pulling Tension	110N
Min. Bend Radius (Install)	8 x O.D.
Flame Test	CMX, CMR, CM

TIA/EIA 568-B.2 Electrical Characteristics

Frequency	Input Impedance	Attenuation	Return Loss	NEXT	PSNEXT	ELFEXT	PSELFEXT	PD
(MHz)	Ohms	dB/100m	dB	dB	dB	dB/100m	Db/100m	Ns/100m
0.772	100±15	1.8	-	76.0	74.0	-	-	-
1	100±15	2.0	20.0	74.3	72.3	67.8	64.8	570.0
4	100±15	3.8	23.0	65.3	63.3	55.8	52.8	552.0
8	100±15	5.3	24.5	60.8	58.8	49.7	46.7	546.7
10	100±15	6.0	25.0	59.3	57.3	47.8	44.8	545.4
16	100±15	7.6	25.0	56.2	54.2	43.7	40.7	543.0
20	100±15	8.5	25.0	54.8	52.8	41.8	38.8	542.0
25	100±15	9.5	24.3	53.3	51.3	39.8	36.8	541.2
31.25	100±15	10.7	23.6	51.9	49.9	37.9	34.9	540.4
62.5	100±15	15.4	21.5	47.4	45.4	31.9	28.9	538.6
100	100±15	19.8	20.1	44.3	42.3	27.8	24.8	537.6
200	100±22	29.0	18.0	39.8	37.8	21.8	18.8	536.5
250	100±22	32.8	17.3	38.3	36.3	19.8	16.8	536.3

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
TL-BULKSFTPC6	Shielded Foiled Twisted Pair Category 6 Cable, 23 AWG, 305 Meters PVC
TL-BULKSFTPC6-LZ	Shielded Foiled Twisted Pair Category 6 Cable, 23 AWG, 305 Meters LSZH

CAT 6 CABLE