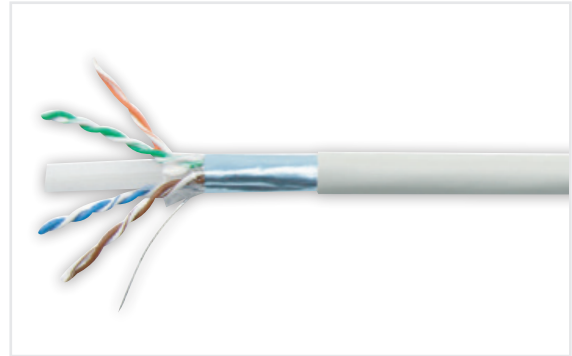
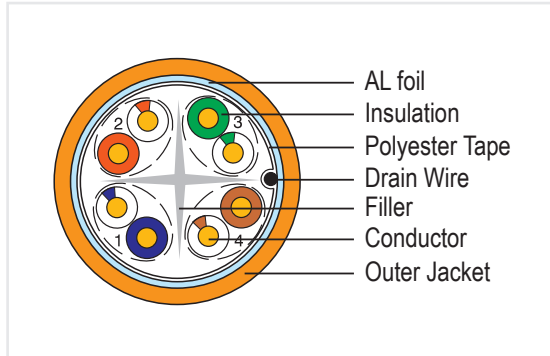


Category 6 F/UTP Cable

Techlogiks Cat 6 foiled twisted pair in a 23 AWG conductor features more stringent specifications for crosstalk 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, ANSI/TIA-568.2-D & ISO/IEC 11801, IEC 61163

Construction		
Structure	Construction	F/UTP
	Number of Pairs	4 Pair
	AWG	23AWG
	Conductor Dimension (mm)	0.565
	Solid or Stranded; Bare or Tinned	Solid Bare Copper
Insulation	Insulation material	HDPE
	Insulation Dimension (mm)	1.15
	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
	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
	≤160pF /100M(Per IEC 61156)
Nominal Velocity of Propagation	65%
Max. Delay Skew (ns/100m)	≤45ns/100M
Max. Conductor DC Resistance @ 20 Deg. C	7.32Ω /100M (23AWG)
Max. DC Resistance unbalance @ 20 Deg. C	≤5%
	≤2%(per IEC 61156-5)



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

Electrical Characteristics

Frequency	Input Im- pedance	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-BULKFTPC6	Foiled Twisted Pair Category 6 Cable, 23 AWG, 305 Meters PVC
TL-BULKFTPC6-LZ	Foiled Twisted Pair Category 6 Cable, 23 AWG, 305 Meters LSZH