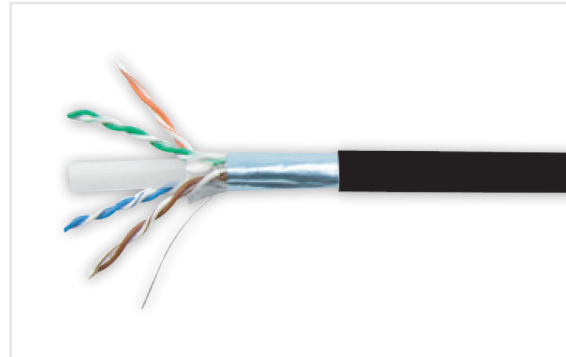
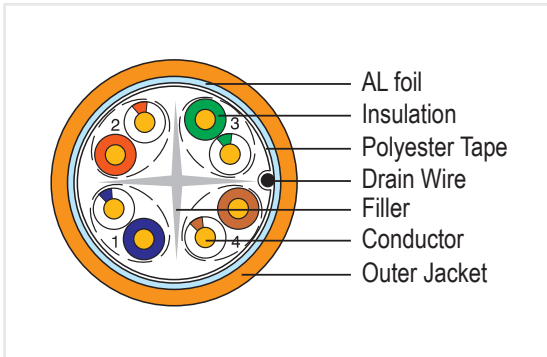


### Category 6 FTP Unarmoured Outdoor Cable

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

#### Construction

Construction		
Structure	Construction	FTP
	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	Solid Polyethylene PE
	Jacket Color	Black
	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	7.32Ω /100M (23AWG)
Max. DC Resistance unbalance @ 20 Deg. C	≤5%(per TIA/EIA-568B.2)
	≤2%(per IEC 61156-5)



Mechanical Characteristics	
Operating Temp. Range	-20~70°C
Max. Recommended	110N
Pulling Tension Min. Bend Radius (Install)	4 x O.D.
Flame Test	CMR

TIA/EIA 568-B.2 Electrical Characteristics											
Frequency	Input Impedance	Attenuation	Return Loss	NEXT	PSNEXT	ELFEXT	PSELFEXT	TCL	PD	PSAN-EXT	PSACCRF
(MHz)	Ohms	dB/100m	dB	dB	dB	dB/100m	Db/100m	Db	Ns/100m	Db	Db
4	100±15	3.8	18.8	63.3	63.3	55.8	52.8	40	552.0	67	66.2
8	100±15	5.3	19.7	58.8	58.8	49.7	46.7	40	546.7	67	60.1
10	100±15	5.9	20	57.3	57.3	47.8	44.8	40	545.4	67	58.2
16	100±15	7.6	20	54.2	54.2	43.7	40.7	38	543.0	67	54.1
20	100±15	8.4	20	52.8	52.8	41.8	38.8	37	542.0	67	52.2
25	100±15	9.4	19.3	51.3	51.3	39.8	36.8	36	541.2	67	50.2
31.25	100±15	10.5	18.6	50	49	37.9	34.9	35.1	540.4	67	48.3
62.5	100±15	15	16.5	45.4	45.4	31.9	28.9	32	538.6	65.6	42.3
100	100±15	19.1	15.1	42.3	42.3	27.8	24.8	30	537.6	62.5	38.2
125	100±20	20	14.4	40.8	40.8	25.9	22.9	29		61	36.3
200	100±22	22	13	37.8	37.8	21.8	18.8	27	536.5	58	32.2
250	100±22	22	12.3	36.3	36.3	19.8	16.8	26	536.3	56.5	30.2
300	100±25	34.3	11.8	35.1	35.1	18.3	15.3	25.2		55.3	28.7
400	100±25	40.1	10.9	33.3	33.3	15.8	12.8	24		53.5	26.2
500	100±25	45.3	10.2	31.8	31.8	13.8	10.8	23		52	24.2

ORDERING INFORMATION	
PART NUMBER	DESCRIPTION
TL-BULKFTPC6PE	Foiled Twisted Pair Category 6 Unarmoured Outdoor Cable, 23 AWG 500 meters PE

CAT 6 CABLE