

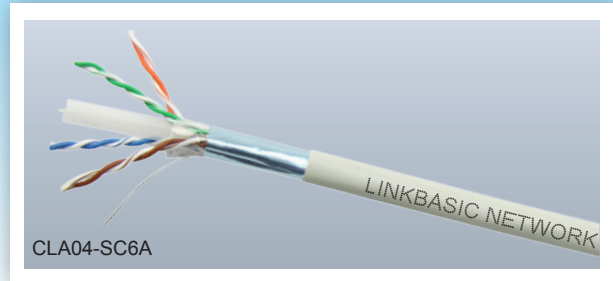
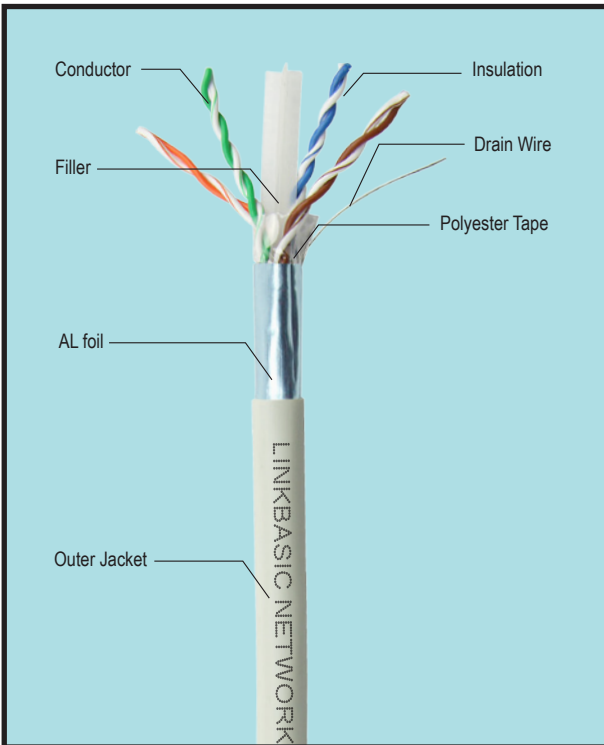
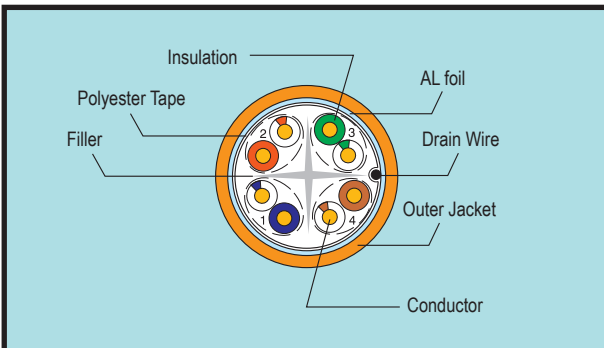
### DESCRIPTION

- Rated temperature: 70°C
- Reference standard: UL Subject 444, EIA/TIA 568B.2-10 & ISO/IEC 11801, IEC 61156
- Solid bare copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Packaging: Reel, Reel in Box

### APPLICATION

- 100 Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

### PRODUCT FIGURE



Cat 6A FTP solid cable

RAL 7035



### CONSTRUCTION

Structure	Construction	FTP
	Number of Pairs	4 Pair
	AWG	23AWG
	Conductor Dimension (mm)	0.585
Insulation	Solid or Stranded; Bare or Tinned	Solid Bare Copper
	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	Individual Shield & Material	No
	Outer Shield & Material	Yes (AL Foil)
	Drain Wire	Yes (Tinned Copper)
Outer jacket	Outer Jacket Material	PVC or LSZH
	Outer Jacket Ripcord	Per customer request
	Overall Nominal Diameter (mm)	7.2 ± 0.3

### 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

Nom. Mutual Capacitance @ kHz	≤5.6 nF / 11 DOM
Max. Capacitance unbalance (pF / 100m)	≤330pF / 100m
Nominal Velocity of Propagation	65%
Max. Delay 5kw (ns/100m)	45ns/100m
Max. Conductor DC Resistance @ 20 Deg. C	7.32Ω / 100M (23AWG)
Max. DC Resistance unbalance @ 20 Deg. C	≤5%
Max. Insulation Resistance (MΩ / k m)	5000
Max. Operating Voltage-UL	300V

### TIA/EIA 568-B.2 ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Input Impedance (Ohms)	ATT (DB/100m)	RL (Db)	NEXT (Db)	PSNEXT (Db)	ELFEXT (Db/100m)	PSELFEXT (Db/100m)	TCL (Db)	DELAY (Ns/100m)	PSANEXT (Db)	PSACCRF (Db)
4	100±15	3.8	18.8	63.3	63.3	55.8	52.8	40.0	552.0	67.0	66.2
8	100±15	5.3	19.7	58.8	58.8	49.7	46.7	40.0	546.7	67.0	60.1
10	100±15	5.9	20	57.3	57.3	47.8	44.8	40.0	545.4	67.0	58.2
16	100±15	7.5	20	54.2	54.2	43.7	40.7	38.0	543.0	67.0	54.1
20	100±15	8.4	20	52.8	52.8	41.8	38.8	37.0	542.0	67.0	52.2
25	100±15	9.4	19.3	51.3	51.3	39.8	36.8	36.0	541.2	67.0	50.2
31.25	100±15	10.5	18.6	50	49.0	37.9	34.9	35.1	540.4	67.0	48.3
62.5	100±15	15	16.5	45.4	45.4	31.9	28.9	32.0	538.6	65.6	42.3
100	100±15	19.1	15.1	42.3	42.3	27.8	24.8	30.0	537.6	62.5	38.2
125	100±20	21.5	14.4	40.8	40.8	25.9	22.9	29.0	537.2	61.0	36.3
200	100±22	27.6	13	37.8	37.8	21.8	18.8	27.0	536.5	58.0	32.2
250	100±22	31.1	12.3	36.3	36.3	19.8	16.8	26.0	536.3	56.5	30.2
300	100±25	34.3	11.8	35.1	35.1	18.3	15.3	25.2	536.1	55.3	28.7
400	100±25	40.1	10.9	33.3	33.3	15.8	12.8	24.0	535.8	53.5	26.2
500	100±25	45.3	10.2	31.8	31.8	13.8	10.8	23.0	535.6	52.0	24.2

### ORDER INFORMATION

Part number	Description	AWG	Standard color	packing Type	Carton	Carton measurement	Carton weight
CLA04-SC6A	Cat 6A FTP solid cable	23AWG	RAL7035	Reel	305m(1000ft)	Φ38cm × H27.5cm	19.70KG
CLA04-SC6A-CMR	Cat 6A FTP solid cable	23AWG	RAL7035	Reel	305m(1000ft)	Φ38cm × H27.5cm	19.70KG
CLA04-SC6A-LSZH	Cat 6A FTP solid cable	23AWG	RAL2003	Reel	305m(1000ft)	Φ38cm × H27.5cm	18.90KG