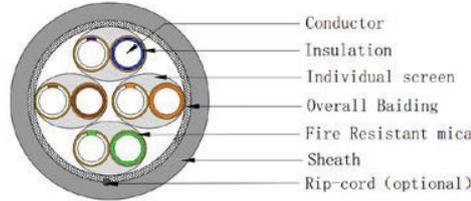




## S/FTP CAT.6A fire resistant cable



### Construction (66J58-008F , Category C)

Conductor	solid bare copper, AWG 23
Insulation	polyolefin
Insulation color	white blue /blue, white orange /orange, white green /green, white brown /brown
No. of pair	4
Fire resistant wrapping tape	each insulation cord is wrapped with fire resistant mica
Individual screen	per pair Al/polyester tape
Overall screen	tinned copper braiding, coverage ratio $\geq 55\%$
Sheath:	LSZH, Category C thickness: $0.8 \pm 0.1\text{mm}$ OD: $9.2 \pm 0.5\text{mm}$

### Electrical characteristic (@20°C)

Frequency MHz	Attenuation dB/100m	NEXT dB	RL dB	PS NEXT dB	PS ACR-F dB	ACR-F dB	Delay ns/100m	Skew ns/100m
4	3.8	66.3	23.0	63.3	53.0	56.0	552	45
8	5.3	61.8	24.5	58.8	46.9	49.9	547	
10	5.9	60.3	25.0	57.3	45.0	48.0	545	
16	7.5	57.2	25.0	54.2	40.9	43.9	543	
20	8.4	55.8	25.0	52.8	39.0	42.0	542	
25	9.4	54.3	24.3	51.3	37.0	40.0	541	
31.25	10.5	52.9	23.6	49.9	35.1	38.1	540	
62.5	15.0	48.4	21.5	45.4	29.1	32.1	539	
100	19.1	45.3	20.1	42.3	25.0	28.0	538	
200	27.6	40.8	18.0	37.8	19.0	22.0	537	
250	31.1	39.3	17.3	36.3	17.0	20.0	536	
300	34.3	38.1	17.3	35.1	15.5	18.5	536	
400	40.1	36.3	17.3	33.3	13.0	16.0	536	
500	45.3	34.8	17.3	31.8	11.0	14.0	536	

\* TCL& ELTCTL is for information only



## Environmental properties and fire performances

Flame retardant	IEC 60332-1-2
Halogen free	IEC 60754-1&2
Smoke-density	IEC 61034-2
Fire resistant	IEC 60331-23, at least 90minutes

## Mechanical characteristics

Pulling tension (max allowable)	100N
Temperature (operation)	-30 to +90 °C
Temperature (installation)	0 to +50 °C
Minimum bending radius (operation)	10 x O.D.
Minimum bending radius (installation)	20 x O.D.
Nominal weight	75kg/km
Water absorption at 70±2°C, 240Hr	Insulation ≤ 5mg/cm <sup>2</sup> , sheath ≤ 10mg/cm <sup>2</sup>
Impact test at Minus 25±2°C	No crack
Flame retardancy:	Cpr: Cca-s1a,d1. a1 IEC 60332-3-24 (Category C)
Cable Class (NEK 600):	3
Corrosive Gases:	IEC 60754-1&2