

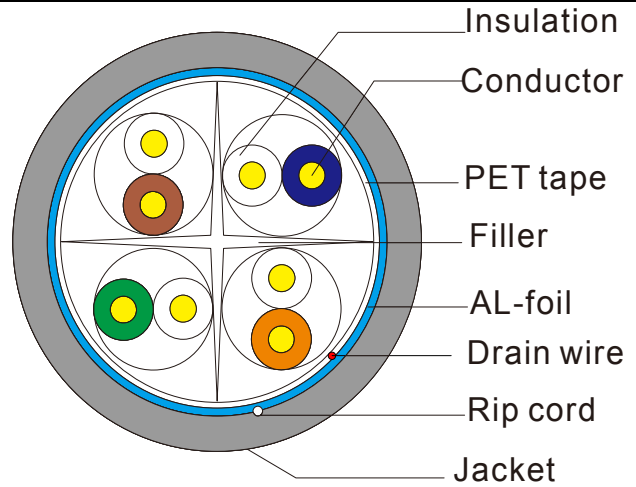
## FTP Cat6 indoor specification

Cable type: HSYVP6 4\*2\*0.57

### Description

Solid annealed copper conductor  
 PE insulation  
 Al-foil +drain wire screen  
 PVC jacket  
 Reference standard: ANSI/TIA/EIA-568 c.2

### Cross section



### Description

#### Conductor

Material Solid annealed copper  
 Nom.diameter(mm) 0.57

#### Insulation

Material PE  
 Nom.diameter(mm) 1.1±0.05

#### Twisted pairs

- Color code
1. White(Blue)-Blue
  2. White(Orange)-Orange
  3. White(Green)-Green
  4. White(Brown)-Brown

**Stranding construction** 1\*4

**Shield** Al-foil  
 Nominal thickness(mm) 0.06

**Drain wire** Tinned copper  
 Nom.diameter(mm) 0.5

**Jakcet**  
 Material PVC  
 Jacket color Grey  
 Nom.thickness (mm) 0.5

#### Electrical characteristics(20°C)

Single conductor resistance@20°C	≤9.5Ω/100m
Pair DC resistance unbalance	≤2.5%
Insulation resistance(20°C,DC 500V/1 min)	≥5000 MΩ·km
Dielectric strength between conductors .DC.1min <sub>1kV</sub>	
Mutual capacitance	≤5.6nF/100m

#### Mechanical characteristics (20°C)

Conductor elongation at break	≥15%
Insulation elongation at break	≥300%
Jacket elongation at break	≥125%
Operating temperature	-15~60°C

#### Printing

According to customer

BRAUN GROUP

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### Transmisson characteristics

Frequency	Delay	Delay skew	Attenuation	NEXT	PSNEXT	ELFEXT	PSELFEXT	RL	
	(ns/100m)	(ns/100m)	(dB/100m)	(dB/100m)	(dB)	(dB/100m)	(dB)	(dB)	
1	580.0	50	2.0	74.3	72.3	67.8	64.8	20.0	
4	562.0	50	3.8	65.3	63.3	55.8	52.8	23.0	
8	556.7	50	5.3	60.8	58.8	49.7	46.7	24.5	
10	555.4	50	6.0	59.3	57.3	47.8	44.8	25.0	
16	553.0	50	7.6	56.2	54.2	43.7	40.7	25.0	
20	552.0	50	8.5	54.8	52.8	41.8	38.8	25.0	
25	551.2	50	9.5	53.3	51.3	39.8	36.8	24.3	
31.25	550.4	50	10.7	51.9	49.9	37.9	34.9	23.6	
62.5	548.6	50	15.4	47.4	45.4	31.9	28.9	21.5	
100	547.6	50	19.8	44.3	42.3	27.8	24.8	20.1	
200	546.5	50	29.0	39.8	37.8	21.8	18.8	18.0	
250	546.3	50	32.8	38.3	36.3	19.8	16.8	17.3	