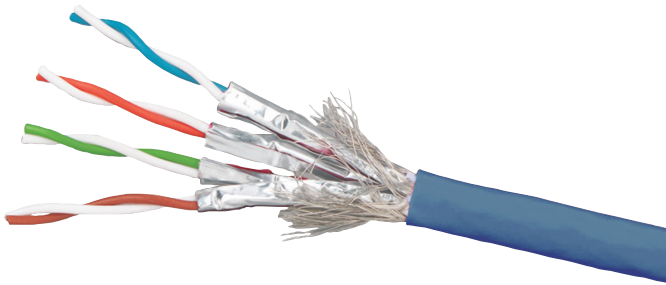
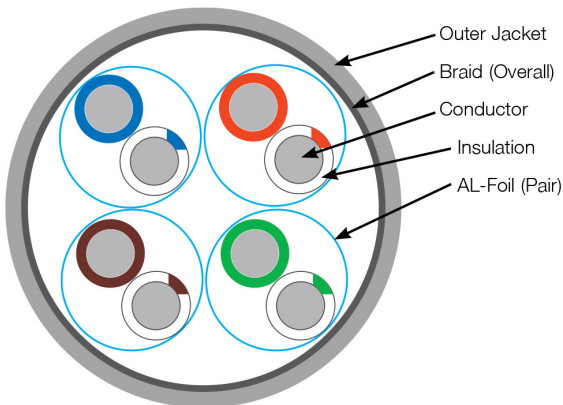


## CPR Compliant Cat7 S/FTP Cable



- Euroclass B2ca-s1a-d0-a1
- Sweep Tested from 1-750MHz
- Flexible Cable Construction for Ease of Installation
- 10GbE Application Assurance for all Standards-Supported Lengths
- RoHS Compliant

### Cable Features



Hubbell SPEEDCHANNEL Category 7 shielded cable provides significant margin above all electrical transmission performance requirements specified in ISO/IEC 11801 standards. The cable is designed to suppress alien crosstalk while maintaining 10 Gigabit Ethernet (10GBASE-T) throughout per IEEE 802.3an. The IEEE has identified alien crosstalk as the dominant noise source affecting the operation of 10GBASE-T.

## Features & Benefits

### Features

- Class F component compliant.
- Unique design to suppress alien crosstalk.
- Designed for standard bend radius termination.
- Standard round cable design.

### Specifications

- **Conductor:** 23AWG solid bare copper.
- **Insulation:** FOAM PE.
- **Jacket:** LSZH (Euroclass B2ca-s1a-d0-a1).
- **Pairing:**
  1. Blue + White/Blue
  2. Orange + White/Orange
  3. Green + White/Green
  4. Brown + White/Brown
- **NVP:** 74%
- **Rated Operating Temp.:** 75°C (max).
- **Packaging:** 500m reel.

### Standards / Verifications

- ISO/IEC 11801 Ed 2 (Class F).
- BS EN 13501-6.
- BS EN 13501-2:+A1 2009.
- BS 8429:2009.

### Applications

- Ethernet 10/100/1000/10GBASE-T (IEEE 802.3an).
- Data centre, LAN and storage area cabling infrastructure.
- Power over Ethernet (PoE) applications (IEEE 802.3af, 802.3at, 802.3bt).
- Commercial, medical, government and education facilities.
- Bandwidth intensive processing:
  - 3D modeling.
  - Broadband video.
  - On-line document publishing.

## Part Numbers

C7SCS5SFTPZB21B	SPEEDCHANNEL CAT7 S/FTP Cable, 4PR/23AWG, B2ca s1a d0 a1, 500m, Blue
C7SCS5SFTPZB21GY	SPEEDCHANNEL CAT7 S/FTP Cable, 4PR/23AWG, B2ca s1a d0 a1, 500m, Grey
C7SCS5SFTPZB21BK	SPEEDCHANNEL CAT7 S/FTP Cable, 4PR/23AWG, B2ca s1a d0 a1, 500m, Black
C7SCS5SFTPZB21Y	SPEEDCHANNEL CAT7 S/FTP Cable, 4PR/23AWG, B2ca s1a d0 a1, 500m, Yellow

## Electrical Characteristics

Frequency (MHz)	Characteristic Impedance		ATT (dB/100m)	RL (dB Min)	NEXT (dB Min)	PS NEXT (dB Min)	ELFEXT (dB Min)	PS ELFEXT (dB Min)	PD (ns/100m Max)
	Upper Limit Zu ( $\Omega$ )	Lower Limit Zu ( $\Omega$ )							
4	115.2	86.8	3.74	23.0	78.0	75.0	78.0	75.0	552.0
8	112.6	88.8	5.24	24.5	78.0	75.0	77.2	74.2	546.7
10	111.9	89.4	5.86	25.0	78.0	75.0	75.3	72.3	545.4
16	111.9	89.4	7.41	25.0	78.0	75.0	71.2	68.2	543.0
20	111.9	89.4	8.29	25.0	78.0	75.0	69.3	66.3	542.0
25	112.9	88.5	9.29	24.3	78.0	75.0	67.3	64.3	541.2
31.25	114.1	87.7	10.41	23.6	78.0	75.0	65.4	62.4	540.4
62.5	118.3	84.5	14.88	21.5	75.5	72.5	59.4	56.4	538.6
100	121.9	82.0	19.02	20.1	72.4	69.4	55.3	52.3	537.6
150	125.7	79.6	23.56	18.9	69.8	66.8	51.8	48.8	536.9
200	128.8	77.6	27.47	18.0	67.9	64.9	49.3	46.3	536.5
250	131.5	76.0	30.97	17.3	66.4	63.4	47.3	44.3	536.3
300	131.6	76.0	34.19	17.3	65.2	62.2	45.8	42.8	536.1
600	131.6	76.0	50.10	17.3	60.7	57.7	39.7	36.7	535.5

\*Cables that meet the requirements of the characteristic impedance are not required to be measured for return loss; alternately, cables that meet the return loss requirements are not required to be measured for characteristic impedance.

\*\*If FEXT loss is greater than 90 dB, ELFEXT loss may not be calculated.