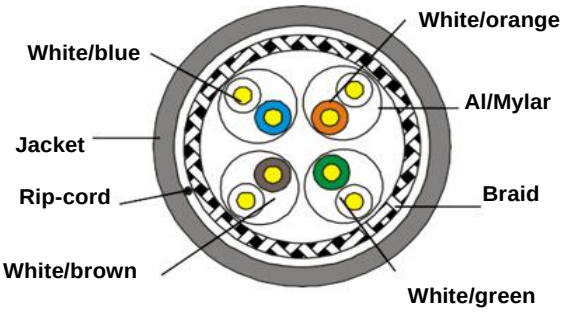
Data Cable, CAT7A S/FTP AWG23, 4Pairs Cable, LSZH Sheath



Applications

Data cable for horizontal cables and Building backbones. Suitable for voice, video & data transmission.
Applicable for all ICT network applications up to 1200 MHz frequency. Support Power over Ethernet POE/POE+.

General Construction

Cat.7A data cable – Compliant with the standards ISO/IEC 11801, IEC 61156-5, IEC 61156-7, EN 50173-1, EN 50173-1 and EN 50288-9-1. Very strong shielding, individually screened pairs and overall copper braid. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

Outer Jacket material:	FR-LSZH.
Conductor material:	SOLID-Bare Copper
Conductor size:	23 AWG
Conductor Construction:	Solid
Color code:	According to TIA/EIA 568-B
Inner Screening Material:	Al/Mylar
Overall Shield Material:	Tinned-copper braid
Total Number Conductors:	8

Electrical Characteristics (100m)

Frequency (MHz)	RL ≥dB	ATT ≥dB	NEXT ≥dB	PHASE DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20	——	78	570	75	78	75
4	23	3.74	78	552	75	78	75
8	24.5	5.24	78	546.7	75	75.9	72.9
10	25	5.86	78	545.4	75	74	71
16	25	7.41	78	543	75	69.9	66.9
20	25	8.29	78	542	75	68	65
25	24.3	9.29	78	541.2	75	66	63
31.25	23.6	10.41	78	540.4	75	64.1	61.1
62.5	21.5	14.88	75.5	538.6	72.5	58.1	55.1
100	20.1	19.02	72.4	537.6	69.4	54	51
150	18.9	23.56	69.8	536.9	66.8	50.2	47.2

Frequency (MHz)	RL ≥dB	ATT ≥dB	NEXT ≥dB	PHASE DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
200	18	27.47	67.9	536.5	64.9	48	45
250	17.3	30.97	66.4	536.3	63.4	46	43
300	17.3	34.19	65.2	536.1	62.2	44.5	41.5
600	17.3	50.1	60.7	535.5	57.7	38.4	35.4
700	14.2	54.63	59.7	535.4	56.7	37.1	34.1
1000	13.1	66.93	57.3	535.1	54.4	34	31

Standards

Generic cabling and cabling components standards - Category 7a cable requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 61156-5:2012 (Ed. 2.1)
- EN 50173-1:2018 / EN 50173-2:2018
- EN 50288-9-1:2012

Standards for flammability, halogen acidity, and smoke performance

- IEC 60332-1-1:2015 (Ed. 1.1) / IEC 60332-1-2:2015 (Ed. 1.1)
- IEC 60754-2:2011 (Ed. 2.0)
- IEC 61034-1:2013 (Ed. 3.1) / IEC 61034-2:2013 (Ed. 3.1)

Ordering Information

	Cable Description.	Sheath Color	Article No.
-	**Data Cable S/FTP Category 7A FRNC/LSOH 4P**	Blue	1001251
-	**Data Cable S/FTP Category 7A FRNC/LSOH 4P**	Red	1001252
-	**Data Cable S/FTP Category 7A FRNC/LSOH 4P**	Grey	1001253
-	**Data Cable S/FTP Category 7A FRNC/LSOH 4P**	Green	1001254
-	**Data Cable S/FTP Category 7A FRNC/LSOH 4P**	Yellow	1001255
-	**Data Cable S/FTP Category 7A FRNC/LSOH 4P**	Orange	1001256