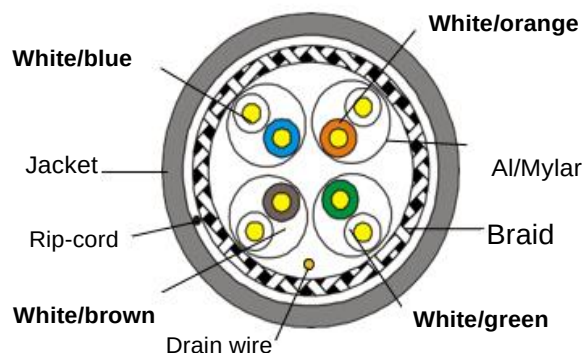


Data Cable, CAT7 S/FTP AWG23, 4Pairs Cable, LSZH Sheath



Applications

Data cable for horizontal cables and Building backbones. For the transmission of digital and analogue voice, video and data signals. Suitable for all ICT network applications up to class F applications (600 MHz). Support Power over Ethernet POE/POE+.

General Construction

Cat.7 data cable - exceeds the requirements of ISO/IEC 11801, IEC 61156-5, EN 50173-1 and EN 50288-4-1. Excellent shielding effect due to 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
Outer Screening Material (Braid)	Aluminum-magnesium alloy
Overall Shield Material:	Tinned-copper braid
Total Number Conductors:	8

Electrical Characteristics (100m)

Frequency (MHz)	RL ≥dB	ATT ≥dB	NEXT ≥dB	PHASE DELAY Sns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20	—	78	570	75	78	75
4	23	3.7	78	552	75	78	75
8	24.5	5.2	78	546.7	75	75.9	72.9
10	25	5.9	78	545.4	75	74	71
16	25	7.4	78	543	75	69.9	66.9
20	25	8.3	78	542	75	68	65
25	24.3	9.3	78	541.2	75	66	63
31.25	23.6	10.4	78	540.4	75	64.1	61.1
62.5	21.5	14.9	75.5	538.6	72.5	58.1	55.1
100	20.1	19	72.4	537.6	69.4	54	51
150	18.9	23.6	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	27.5	67.9	536.5	64.9	48	45
250	17.3	31	66.4	536.3	63.4	46	43
300	17.3	34.2	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

Standards

Generic cabling and cabling components standards - Category 7 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 50288-4-1:2013

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 7 FRNC/LSOH 4P	Blue	1001211
- Data Cable S/FTP Category 7 FRNC/LSOH 4P	Red	1001212
- Data Cable S/FTP Category 7 FRNC/LSOH 4P	Grey	1001213
- Data Cable S/FTP Category 7 FRNC/LSOH 4P	Green	1001214
- Data Cable S/FTP Category 7 FRNC/LSOH 4P	Yellow	1001215
- Data Cable S/FTP Category 7 FRNC/LSOH 4P	Orange	1001216