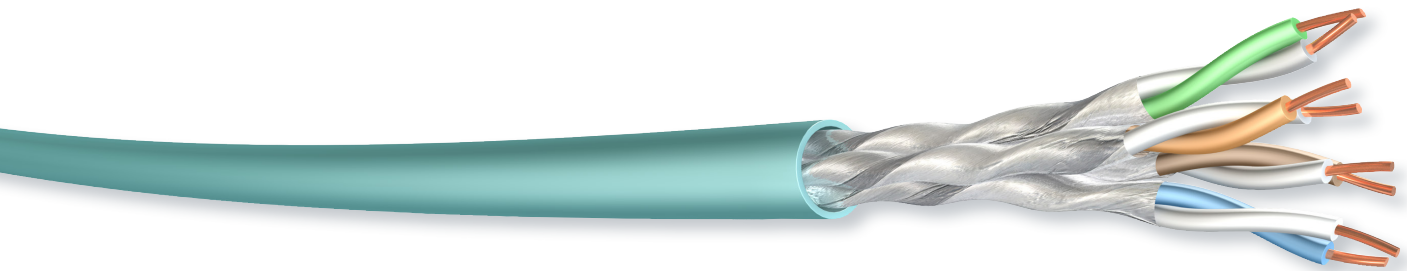


7293B

Cat6a U/FTP FRLSZH B2ca



Event[®] install



Application

This cable is used in data communication networks with 500 MHz bandwidth capacity where Low Smoke Zero Halogen is required.

- Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
- IEEE 802.5 16 MB; ISDN; FDDI; ATM
- Power over Ethernet (PoE) / PoE+

Cable Design

Conductor Solid bare copper wire, Ø 0.56 mm (AWG23/1)

Insulation Skin-foam-skin PE, Ø 1.33 ± 0,05 mm

Twisting 2 cores to the pair

Pair screen Aluminium/Mylar tape + tinned drain wire

Cable lay up 4 pairs (PiMF) to the core

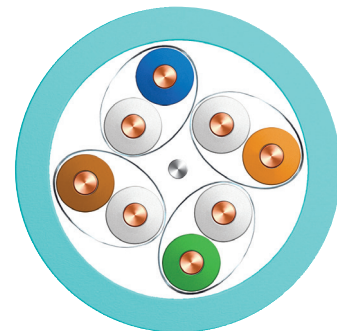
Sheath FRLSZH, Blue 5024

Overall Diameter Ø 7,60 ± 0,5 mm

Pair Identification..... 1 - White/Blue, 2 - White/Orange
3 - White/Green, 4 - White/Brown

Standards

- ISO/IEC11801
- TIA-568-C.2
- CPR Class - B2ca,s1,d1,a1



7293B

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Electrical Characteristics (20 °C)

Impedance 1 - 250 MHz	100 ± 15 Ohm
Impedance 250 - 500 MHz	100 ± 22 Ohm
Delay Skew 1 - 500 MHz	≤ 45 ns/100m
Unbalanced-to-ground capacitance max.	330 pF/100m
DC Resistance max.	9,38 Ohm/100m
DC Conductor Resistance Unbalance max.	5 %

Technical Performance 100m

Frequency	RL	ATT	NEXT	PHASE DELAY	PSNEXT	ELFEXT	PSELFEXT
MHz	≥ dB	≤ dB	≥ dB	≤ ns	≥ dB	≥ dB	≥ dB
1	20	-	74,3	570	72,3	67,8	64,8
4	23	3,8	65,3	552	63,3	55,8	52,8
8	24,5	5,3	60,8	547	58,8	49,7	46,7
10	25	5,9	59,3	545	57,3	47,8	44,8
16	25	7,5	56,2	543	54,2	43,7	40,7
20	25	8,4	54,8	542	52,8	41,8	38,8
25	24,3	9,4	53,3	541	51,3	39,8	36,8
31,25	23,6	10,5	51,9	540	49,9	37,9	34,9
62,5	21,5	15,0	47,4	539	45,4	31,9	28,9
100	20,1	19,1	44,3	538	42,3	27,8	24,8
200	18	27,6	39,8	537	37,8	21,8	18,8
250	17,3	31,1	38,3	536	36,3	19,8	16,8
300	16,8	34,3	37,1	536	35,1	18,3	15,3
400	15,9	40,1	35,3	536	33,3	15,8	12,8
500	15,2	45,3	33,8	536	31,8	13,8	10,8