

5007B

Cat.6 F/UTP FRLSZH B2ca



Event[®] install



Application

This cable is used in data communication networks with 250 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;

-IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Cable Design

Conductor Solid bare copper wire, Ø 0.55 mm (AWG23/1)

Insulation HDPE, Ø 1.12 ± 0,05 mm

Twisting 2 cores to the pair

Cable lay up 4 pairs cabled with central X-Filler

Shield Aluminium/polyester tape + Drain Wire

Sheath FR-LSZH, Ivory (0,65 ± 0,2mm thickness)

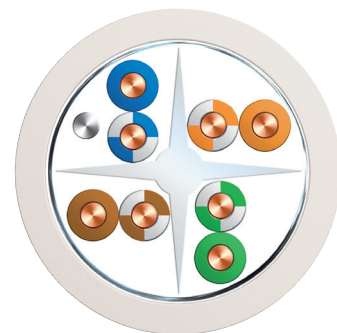
Overall Diameter Ø 7,50 ± 0,4 mm

Pair Identification..... 1 - White- Blue /Blue, 2 - White-Orange /Orange

3 - White-Green /Green, 4 - White- Brown /Brown

Standards

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



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Electrical Characteristics (20 °C)

Characteristic Impedance 1-250 MHz	100 ± 15 Ohm
Delay Skew 1-250 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	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	3,78	65,3	552	63,3	55,8	52,8
8	24,5	5,32	60,8	546,73	58,8	49,7	46,7
10	25	5,95	59,3	545,38	57,3	47,8	44,8
16	25	7,55	56,2	543	54,2	43,7	40,7
20	25	8,47	54,8	542,05	52,8	42,8	38,8
25	24,3	9,51	53,3	541,20	51,3	39,8	36,8
31,25	23,6	10,67	51,9	540,44	49,9	37,9	34,9
62,5	21,5	15,38	47,7	538,55	45,4	31,9	28,9
100	20,1	19,80	44,3	537,60	42,3	27,8	24,8
200	18	28,98	39,8	536,54	37,8	21,8	18,8
250	17,3	32,65	38,3	536,27	36,3	19,8	16,8