

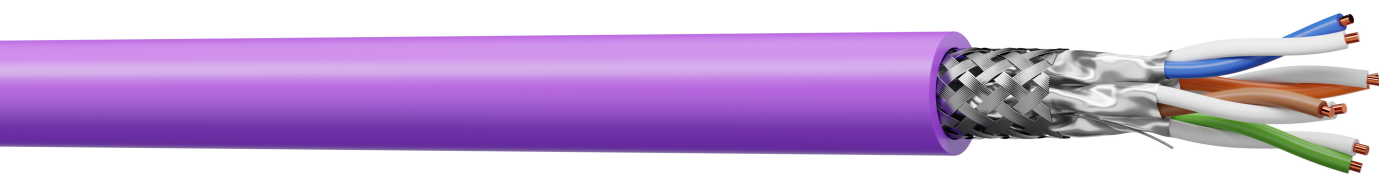
6004SHB25

CAT7 S/FTP 1x4P - 600 MHz LSZH B2ca
Cable – Drum of 500m



DESCRIPTION

Category 7 cable used for shielded cabling solutions in horizontal or vertical configurations. Its S/FTP shielding provides excellent electromagnetic immunity. Its excellent CPR rating B2ca allows installation on sensitive sites.



ADVANTAGES

- Exceeds standard specifications
- Very high electromagnetic immunity
- Available in high CPR level : up to B2ca
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)



CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	600xSHB2yyyyz
Core gauge	AWG23
Assembly type	Pairs
Shielding description	Tinned copper braid
Outer Sheath Material	LSZH
Color	Purple RAL 4001
Nom. diameter of the outer sheath (mm)	7
Ground drain presence	No
Shielding type	S/FTP
Insulation Color Code	Blue and White blue or White - Orange and White orange or White - Green and White green or White - Brown and White brown or White
Nominal insulation diameter (mm)	1,27

ELECTRICAL CHARACTERISTICS

Loop resistance	148
Minimum insulation resistance	> 5000 MΩ x km
Service Voltage (V)	<250Vdc
Linear electrical resistance (Ω/Km)	74
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	80
Delay skew	< 25
Unbalance resistance	< 2
Propagation speed (%)	78
Segregation Class	D
Performance Category	Category 7
Data Transmission Standard	EN 50173-1: 2011 Classe F, ISO / IEC 11801 Ed3 Class F
Characteristic Impedance (Ohms)	100
Conductor/Shield Capacitance	1,6 nF/km
Conductor/Conductor Capacitance	45 nF/km

ENVIRONMENTAL CHARACTERISTIC

CPR classification	B2ca s1a, d1, a1
Fire behaviour	IEC 60332-1
Smoke emission	IEC 61034-1 & -2
Gas emission	IEC60754-2
RoHS Compliance	Compliant with the RoHS directive
Component Standard	IEC 61156-5 Cat7

ADDITIONAL INFORMATION

Product Packaging	Drum of 500m
Weight (Kg)	1

TRANSMISSION PERFORMANCE

FREQUENCY (Mhz)	INSERTION LOSS (dB/100M)		NEXT (dB/100M)		PSNEXT (dB/100M)		ACR-F (dB/100M)		PSACR-F (dB/100M)		RETURN LOSS (dB/100M)	
	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value
4	-3,7	-3,6	-78,0	-100,2	-75,0	-97,2	-78,0	-93,6	-75,0	-90,6	-23,0	-28,8
10	-5,9	-5,5	-78,0	-106,8	-75,0	-103,8	-74,0	-102,7	-71,0	-99,7	-25,0	-35,1
16	-7,4	-7,1	-78,0	-108,9	-75,0	-105,9	-69,9	-99,3	-66,9	-96,3	-25,0	-38,5
20	-8,3	-8,0	-78,0	-110,1	-75,0	-107,1	-68,0	-96,1	-65,0	-93,1	-25,0	-38,0
31,25	-10,4	-10,2	-78,0	-108,9	-75,0	-105,9	-64,1	-88,9	-61,1	-85,9	-23,6	-39,0
62,5	-14,9	-14,6	-78,0	-107,6	-75,0	-104,6	-58,1	-76,6	-55,1	-73,6	-21,5	-35,9
100	-19,0	-18,6	-75,5	-104,2	-72,5	-101,2	-54,0	-69,0	-51,0	-66,0	-20,1	-36,3
125	-21,4	-21,0	-72,4	-104,0	-69,4	-101,0	-52,1	-69,5	-49,1	-66,5	-19,4	-34,0
155	-24,0	-23,5	-69,5	-104,0	-66,5	-101,0	-50,2	-70,0	-47,2	-67,0	-18,8	-32,0
200	-27,5	-26,5	-67,9	-103,9	-64,9	-100,9	-48,0	-71,1	-45,0	-68,1	-18,0	-30,4
250	-31,0	-30,0	-66,4	-105,0	-63,4	-102,0	-46,0	-69,0	-43,0	-66,0	-17,3	-29,0
300	-34,2	-32,7	-65,2	-107,1	-62,2	-104,1	-44,5	-66,0	-41,5	-63,0	-17,3	-28,6
350	-37,2	-35,0	-64,2	-103,0	-61,2	-100,0	-43,1	-64,0	-40,1	-61,0	-17,3	-28,0
400	-40,0	-38,0	-63,4	-102,6	-60,4	-99,6	-42,0	-62,3	-39,0	-59,3	-17,3	-27,8
450	-42,7	-40,0	-62,6	-101,0	-59,6	-98,0	-40,9	-63,0	-37,9	-61,0	-17,3	-26,0
500	-45,3	-42,8	-61,9	-99,0	-58,9	-96,0	-40,0	-64,1	-37,0	-61,1	-17,3	-25,4
550	-47,7	-45,0	-61,3	-99,5	-58,3	-96,5	-39,2	-62,0	-36,2	-59,0	-17,3	-25,8
600	-50,1	-47,1	-60,7	-100,6	-57,7	-97,6	-38,4	-61,4	-35,4	-58,4	-17,3	-26,7