

555P4SH

CAT6A U/FTP 1x4P 555 MHz LSZH patch cable Drum of 1000m

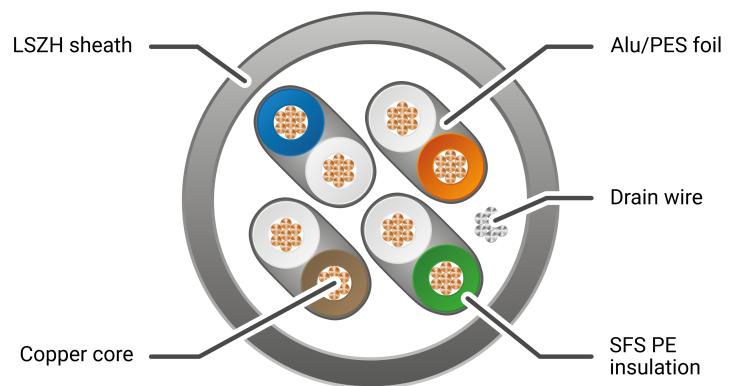


DESCRIPTION

555P4SH cable CAT6A shielded in pairs, U/FTP used for manufacturing patch cords or consolidation links.

Its performances exceed the CAT6A limits imposed by current standards, so it represents an investment for future network applications.

This cable is used in digital and analog signal transmission for voice, data transmission and video links.



ADVANTAGES

- Adapted for making patch cords or consolidation point links up to cat 6A
- Electromagnetic immunity
- Flame retardant



CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	555PxSHyyyyz
Core gauge	AWG26/7
Assembly type	Pairs
Outer Sheath Material	LSZH
Color	Grey RAL 7035
Nom. diameter of the outer sheath (mm)	5.9
Ground drain presence	No
Shielding type	U/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

ELECTRICAL CHARACTERISTICS

Loop resistance	244
Minimum insulation resistance	> 5000 MΩ x km
Service Voltage (V)	<250Vdc
Linear electrical resistance (Ω/Km)	122
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	65
Delay skew	< 30
Unbalance resistance	< 2
Propagation speed (%)	78
Performance Category	Category 6A
Data Transmission Standard	EIA/TIA 568-C.2 Cat6A, EN 50173-1: 2011 Classe Ea, ISO 11801 Ed.3 Classe Ea
Characteristic Impedance (Ohms)	100
Conductor/Shield Capacitance	1,6 nF/km
Conductor/Conductor Capacitance	45 nF/km

MECHANICAL CHARACTERISTICS

Bending Radius in Fixed Installation	8 x Ø ext
Bending Radius in Mobile Installation	15 x Ø ext

ENVIRONMENTAL CHARACTERISTIC

CPR classification	Not concerned
Fire behaviour	IEC 60332-1
Smoke emission	IEC 61034-1 & -2
Gas emission	IEC60754-2
RoHS Compliance	Conforme à la directive RoHS
Component Standard	IEC 61156-6 Cat6A

ADDITIONAL INFORMATION

Product Packaging	Drum of 1000m
Weight (Kg)	0.035

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	-5,7	-5,5	-66,3	-97,2	-63,3	-94,2	-59,0	-90,2	-56,0	-87,2	-23,0	-33,7
10	-8,9	-8,3	-60,3	-96,1	-57,3	-93,1	-53,0	-86,3	-50,0	-83,3	-25,0	-29,3
16	-11,2	-10,2	-57,2	-93,3	-54,2	-90,3	-49,9	-82,7	-46,9	-79,7	-25,0	-35,8
20	-12,6	-11,3	-55,8	-90,1	-52,8	-87,1	-48,5	-80,0	-45,5	-77,0	-25,0	-37,8
31,25	-15,8	-14,3	-52,9	-88,6	-49,9	-85,6	-45,6	-75,1	-42,6	-72,1	-23,3	-33,7
62,5	-22,5	-20,5	-48,4	-91,7	-45,4	-88,7	-41,1	-73,7	-38,1	-70,7	-20,7	-27,8
100	-28,7	-26,4	-45,3	-82,5	-42,3	-79,5	-38,0	-67,6	-35,0	-64,6	-19,0	-29,5
125	-32,3	-21,5	-43,8	-86,4	-40,8	-83,4	-36,5	-68,3	-33,5	-65,3	-18,2	-31,9
155	-36,1	-24,1	-42,4	-76,4	-39,4	-73,4	-35,1	-66,0	-32,1	-63,0	-17,4	-30,8
200	-41,4	-37,3	-40,8	-76,4	-37,8	-73,4	-33,5	-61,4	-30,5	-58,4	-16,4	-28,7
250	-46,6	-29,0	-39,3	-74,9	-36,3	-71,9	-32,0	-61,3	-29,0	-58,3	-15,6	-27,6
300	-51,4	-46,2	-38,1	-73,4	-35,1	-70,4	-30,8	-60,3	-27,8	-57,3	-15,6	-26,8
350	-55,9	-35,4	-37,1	-71,1	-34,1	-68,1	-29,8	-62,5	-26,8	-59,5	-15,6	-31,8
400	-60,1	-53,5	-36,3	-70,0	-33,3	-67,0	-29,0	-56,4	-26,0	-53,4	-15,6	-29,1
450	-64,1	-40,2	-35,5	-67,5	-32,5	-64,5	-28,2	-51,6	-25,2	-48,6	-15,6	-28,7
500	-67,9	-60,4	-34,8	-70,6	-31,8	-67,6	-27,5	-43,4	-24,5	-40,4	-15,6	-22,1
555	N/A	-64,3	N/A	-62,3	N/A	-59,3	N/A	-34,9	N/A	-31,9	N/A	-21,8