

SGBP45

CAT5E F/UTP 1x4P PVC patch cable
Drum of 500m

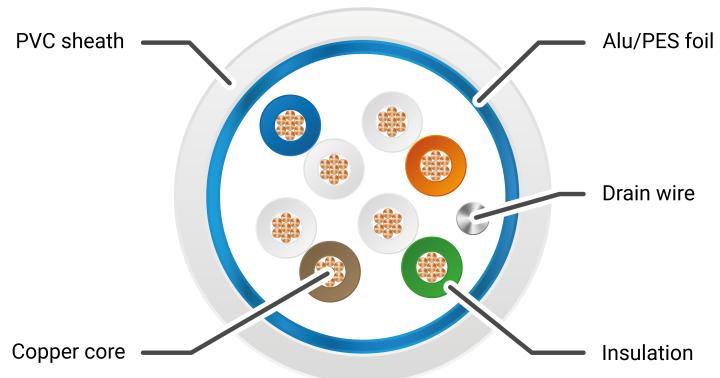
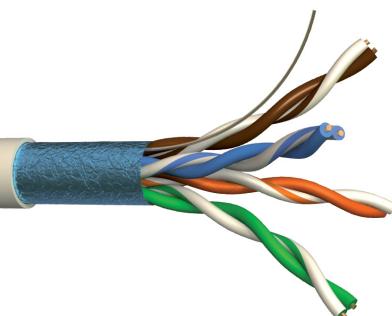


DESCRIPTION

Shielded F/UTP cable, SGBP, is used for production of patch cords. It forms the extension of a high-speed voice, data and video network.

Its shielding allows use in an environment with interference and provides good operation up to 100 MHz.

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



ADVANTAGES

- Exceed standard specifications
- Flame retardant
- Flexible, ideal for making patch cords



CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	SGBPx ^{yy}
Core gauge	AWG26/7
Assembly type	Pairs
Shielding description	Aluminium polyester tape
Outer Sheath Material	PVC
Color	Grey RAL 7035
Nom. diameter of the outer sheath (mm)	5.7
Ground drain presence	No
Shielding type	F/UTP
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)	0,80

ELECTRICAL CHARACTERISTICS

Loop resistance	290
Minimum insulation resistance	> 5000 M Ω x km
Service Voltage (V)	<250Vdc
Linear electrical resistance (Ω /Km)	145
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	65
Delay skew	< 45
Unbalance resistance	< 2
Propagation speed (%)	66
Performance Category	Category 5E
Data Transmission Standard	EIA/TIA 568-C.2 Cat5E, EN 50173-1: 2011 Classe D, ISO / IEC 11801 Ed3 Class D
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
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MECHANICAL CHARACTERISTICS

Bending Radius in Mobile Installation	15 x Ø ext
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ENVIRONMENTAL CHARACTERISTIC

CPR classification	Eca
Fire behaviour	IEC 60332-1
RoHS Compliance	Conforme à la directive RoHS
Component Standard	IEC 61156-6 Cat5E

ADDITIONAL INFORMATION

Product Packaging	Drum of 500m
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	-4,1	-4,1	-56,3	-80,6	-53,3	-77,6	-52,0	-79,7	-49,0	-76,7	-23,0	-39,3
10	-6,5	-6,5	-50,3	-74,0	-47,3	-71,0	-44,0	-74,2	-41,0	-71,2	-25,0	-35,4
16	-8,3	-8,2	-47,2	-66,6	-44,2	-63,6	-39,9	-70,0	-36,9	-67,0	-25,0	-37,7
20	-9,3	-9,2	-45,8	-67,8	-42,8	-64,8	-38,0	-66,5	-35,0	-63,5	-25,0	-36,2
31,25	-11,7	-11,7	-42,9	-66,9	-39,9	-63,9	-34,1	-64,1	-31,1	-61,1	-23,6	-35,8
62,5	-17,0	-16,5	-40,9	-59,2	-37,9	-56,2	-28,1	-52,9	-25,1	-49,9	-21,5	-31,8
100	-22,0	-21,0	-38,4	-52,5	-35,4	-49,5	-24,0	-46,9	-21,0	-43,9	-20,1	-30,4