

## Sen5e Cat 5e Cable

<b>Applications:</b>	Cat 5e cable, also known as Ethernet cable or network cable
<b>Conductor:</b>	Solid annealed copper 0.5mm (24AWG) nominal
<b>Insulation:</b>	Solid polyethylene
<b>Construction:</b>	4 twisted pairs, laid up with overall sheath
<b>Sheath:</b>	PVC (Grey) or LSZH (Violet) PVC sheath available in grey, white, blue, red, yellow and green
<b>Nominal OD:</b>	5.0mm
<b>Cable weight:</b>	10kg/305m
<b>Bending radius:</b>	Min 20mm
<b>Pulling tension:</b>	Max 110N (11.3 Kgf)
<b>Temp rating:</b>	-20°C to +75°C
<b>Velocity of propagation:</b>	70%
<b>Propagation delay:</b>	537.6ns/100m (Max) at 100MHz
<b>Propagation delay skew:</b>	45.0ns/100m (Max)
<b>Characteristic impedance:</b>	100Ω +/- 15
<b>Standards:</b>	Flame test: IEC 60332-1 / UL 1581 VW-1



Frequency MHz	Attenuation dB/100m	NEXT dB	ACR dB/100m	PSACR dB/100m	PSNEXT dB	ELFEXT dB/100m	PSELFEXT dB/100m	RL dB
1	2.0	65.3	63.3	60.3	62.3	63.8	60.8	19.0
4	4.1	56.3	52.2	49.2	53.3	51.7	48.7	20.8
10	6.5	50.3	43.8	40.8	47.3	43.8	40.8	22.0
16	8.2	47.3	39.0	36.0	44.3	39.7	36.7	22.0
20	9.3	45.8	36.5	33.5	42.8	37.7	34.7	22.0
25	10.4	44.3	33.9	30.9	41.3	35.8	32.8	21.3
31.25	11.7	42.9	31.2	28.2	39.9	33.9	30.9	20.6
62.5	17.0	38.4	21.4	18.4	35.4	27.8	24.8	18.5
100	22.0	35.3	13.3	10.3	32.3	23.8	20.8	17.1

Sheath Colour	BATT Part No
Grey	54217
Violet	54180
White	54266
Blue	54243
Red	54040
Yellow	54245
Green	54244

### Manufactured in accordance with EIA/TIA 568A-5 and ISO11801 to Category 5E

Item	Sheath	Colour	BATT Part No
305m Box	PVC	Grey	54217
305m Box	LSZH	Violet	54180

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