



ADVANT SYSTEM

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Item:
ADV5e-F24PG

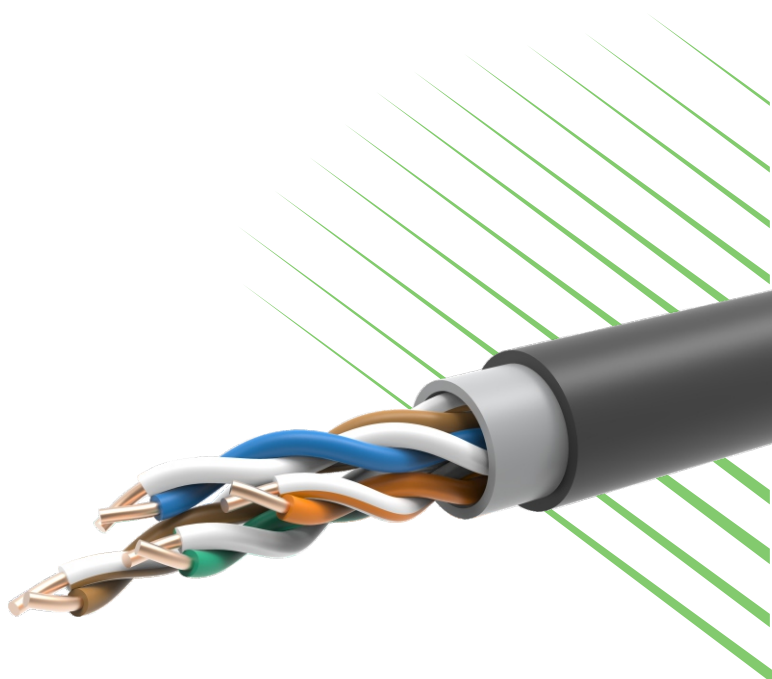


Cable F/UTP, AWG24, 4P, Solid, PVC, Grey

Cat5e cable is a "twisted pair" network cable used for 1000Base-T Ethernet applications at speed of up to 350MHz of bandwidth. This cable is preferred for more advanced networking installations where a higher bandwidth than normal is required. You can install it for your devices at home, in offices, hotels, and surveillance system for stable network connection.

Technical characteristic			
Category	F/UTP- CAT5E-4P-PVC		
Reference Standard	ISO/IEC11801、ANSI/TIA-568-C.2		
Conductor	Material	Solid bare copper	
	O.D mm	0.50 mm	+/- 0.005 mm
Insulation	Material	HDPE	
	O.D mm	1.0 mm	+/- 0.05 mm
Screening Material	Al/Mylar + Mylar		
Jacket	Thickness	0.55 mm	+/- 0.05 mm
	External O.D.	6.2 mm	+/- 0.5 mm
	Surface	Clean	
	Material	PVC (complies RoHS)	
	Color	Grey	
Printing	Meter mark	≤±0.5%, 1m	
	Color	Black	
Core colors	White-Blue/Blue	White-Orange/Orange	
	White-Green/Green	White-Brown/Brown	
Packing	Box	305 mm	
Rip-cord	Yes	Drain	Yes

Sheath Physical Properties		
Before Aging	Tensile Strength [Mpa]	≥10.0
	Elongation (%)	≥125
Aging period	100℃×24h×7d	
After Aging	Tensile Strength [Mpa]	≥8
	Elongation (%)	≥100
Cold bend	-20 C x 4 h	8 x OD

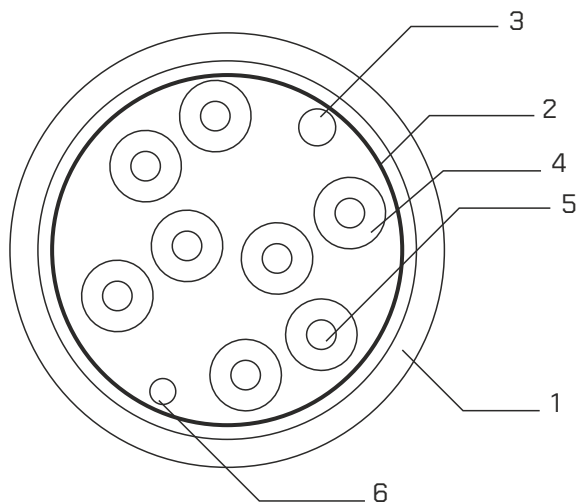




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Standard:

ISO/IEC 11801, ANSI/TIA-568.2-D,
IEC 61156-5, EN 50173-1,
EN 501288-2-1, IEC 60332-1-1,
EC 60332-1-2 / IEC 60754-2 / IEC 61034-1

Data Rate Support:

10/100/1000Base-T
PoE/PoE+/PoE++ (IEEE802.3af/at/bt)

Construction

1. Jacket
2. Screen
3. Drain wire
4. Insulation
5. Conductors
6. Rip-cord

Electrical Characteristics

20 C

Impedance[Ω]	1.0-100.0 MHz	100 ± 15
Delay Skew (ns/100 m)	1.0-100.0 MHz	≤ 45
Capacitance unbalanced-to-ground	[pf/100m]	max 330
DC Resistance	[Ω/100m]	max 9.5
DCR Conductor	[%]	max 5

Technical Performance (100m):

Frequency	RL	ATT	NEXT	DELAY	PSNEXT	ELFEXT	PSLFEXT
MHz	≥dB	≥dB	≥dB	n≥s	≥dB	≥dB	≥dB
1	20		65.3	570	72.3	67.8	64.8
4	23	4.1	56.3	552	63.3	55.8	52.8
8	24.5	5.8	51.8	547	58.8	49.7	46.7
10	25	6.5	50.3	545	57.3	47.8	44.8
16	25	8.2	47.2	543	54.2	43.7	40.7
20	25	9.3	45.8	542	52.8	41.8	38.8
25	24.3	10.4	44.3	541	51.3	39.8	36.8
31.25	23.6	11.7	42.9	540	49.9	37.9	34.9
62.5	21.5	17	38.4	539	45.4	31.9	28.9
100	20.1	22	35.3	538	42.3	27.8	24.8