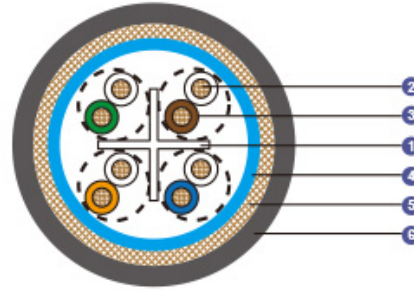


Cat 6 SF/UTP 24AWG 4P/8P



Application	These Cat6 SF/UTP cables are manufactured in accordance with IEC 61156-5 requirements, can support all Class E applications like Ethernet, Fast Ethernet, Gigabit Ethernet, suitable for basic voice and data installations up to 250MHz.	
Standards	EN 50288 ISO 11801 IEC 61156-5 IEC 60332-1 IEC 60754-1/2 IEC 61034	
Construction	Central Cross	
Conductors	Solid bare copper conductor.	
Insulation	Foam skin PE.	
Twinning	Two coloured insulated conductors twisted together to form a pair.	
Overall Screen1	Al/polyester tape.	
Overall screen2	Tinned copper wire braid.	
Outer Sheath	Polyolefin.	
Core Identification	Pair 1: White, Blue Pair 2: White, Orange Pair 3: White, Green Pair 4: White, Brown	
Electrical Properties		
Minimum Insulation Resistance	MΩ.km	1000
Mutual Capacitance	nF/km	56
Characteristic Impedance @1-100MHz	Ω	100 ± 15
Nominal Velocity of Propagation	%	67
Maximum Propagation Delay	ns/100 m	537.6

Maximum Delay Skew ns/100 m 45

Coupling Attenuation @30MHz dB 75

Nominal Transmission Characteristics @20°C

F	Attenuation	NEXT	PS-NEXT	ACR	ELFEXT	PS-ELFEXT	Return Loss
MHz	dB/100m	dB	dB	dB/100m	dB/100m	dB/100m	dB
1	2.1	80.3	77.3	78.2	71.0	68.0	21.5
4	3.8	71.3	68.3	67.4	59.0	56.0	24.5
10	6.0	65.3	62.3	59.3	51.0	48.0	26.5
16	7.6	62.2	59.2	54.6	46.9	43.9	26.5
20	8.5	60.8	57.8	52.3	45.0	42.0	26.5
31.25	10.7	57.9	54.9	47.1	41.1	38.1	25.1
62.50	15.5	53.4	50.4	37.9	35.1	32.1	23.0
100	19.9	50.3	47.3	30.4	31.0	28.0	21.6
155	25.3	47.4	44.4	22.1	27.2	24.2	20.3
200	29.1	45.8	42.8	16.6	25.0	22.0	19.5
250	33.0	44.3	41.3	11.3	23.0	20.0	18.8

Mechanical and Thermal Properties

Bending Radius: 8×OD (during installation); 4×OD (fixed installed)

Temperature Range: -20°C ~ +60°C

Dimensions and Weight

Part No.	Construction No. of elements×No. of cores in element×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
UE092- SF/UTPCAT64P24	4×2×24AWG	0.31	1.2	7.6	60
UE092- SF/UTPCAT68P24	2×(4×2×24AWG)	0.31	1.2	15.2×7.6	120