

**CATEGORY 5E CABLE**

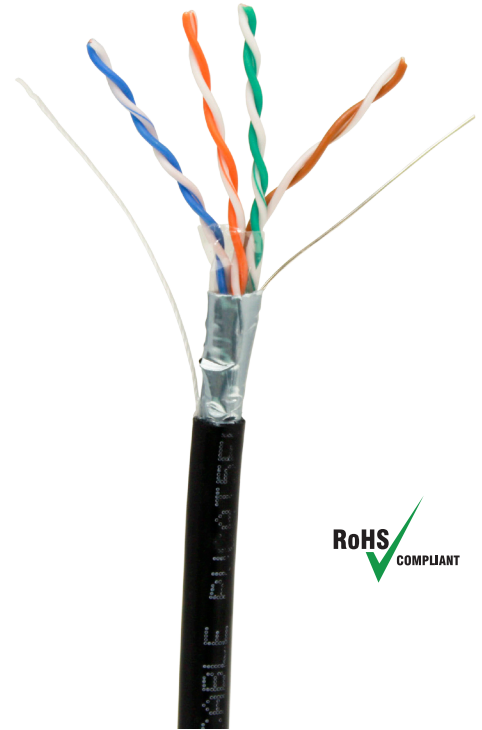
4 Pair, 24 AWG Solid Bare Copper Conductors, Aluminum Tape Shield, PE, Reel-in-Box Package

**ELECTRICAL CHARACTERISTICS**

Impedance 1 ~ 100 MHz:	100 ± 15 Ohms
Nominal Mutual Capacitance @ 1 KHz:	15 pf/foot
Maximum Capacitance Unbalance:	330 pf/100 m
Nominal Velocity of Propagation:	70%
Maximum Delay (ns/100m) @ 100 MHz:	538 ns
Maximum Delay Skew:	≤ 45 ns/100 m
Maximum DCR Unbalance @ 20° C:	≤ 5%
Maximum Conductor DC Resistance @ 20° C:	9.38 ohms/100 m
Certified to 100 MHz, swept to 350 MHz	

**CONSTRUCTION CHARACTERISTICS**

Number of Pairs:	4
Total Number of Conductors:	8
AWG:	24 (0.5 mm)
Conductor Stranding:	Solid
Conductor Material:	Bare Copper
Insulation Material:	HDPE
Tape Wrap:	PE 100% Coverage
Shield:	Aluminum Polyethylene Tape
ESD Drain Wire:	26 AWG (0.4mm), Tinned Copper
Outer Jacket O.D.:	0.236 in. (6.0mm)
Outer Jacket Material:	Black, UV Resistant LDPE
Outer Jacket Ripcord:	Yes
Shipping Weight:	28 lbs/1,000 ft (42 kg/km)
Max. Recommended Pulling Tension:	35 lbs (16 kg)
Min. Bend Radius (Install):	1.0 in. (2.5 cm)
Operating Temperature Range:	-40°C to +75°C
Sequential Marking:	0-1,000 ft (0-305 m)
Reference Standard:	ISO/IEC 11801, TIA/EIA-568-C.2



Frequency (MHz)	Return Loss (Min. dB)	Attenuation (Max. dB/100m)	NEXT (Min. dB)	PSNEXT (Min. dB)	ELFEXT (Min. dB/100m)	PSELFEXT (Min. dB/100m)
1	20.0	2.0	68.3	66.3	63.8	60.8
4	23.0	4.1	59.3	57.3	51.7	48.7
8	24.5	5.8	54.8	52.8	45.7	42.7
10	25.0	6.5	53.3	51.3	43.8	40.8
16	25.0	8.2	50.3	48.3	39.7	36.7
20	25.0	9.3	48.8	46.8	37.8	34.8
25	24.3	10.4	47.3	45.3	35.8	32.8
31.25	23.6	11.7	45.9	43.9	33.9	30.9
62.5	21.5	17.0	41.4	39.4	27.8	24.8
100	20.1	22.0	38.3	36.3	24.0	21.0
155	18.8	28.1	35.5	33.5	20.0	17.0
200	18.0	32.4	33.8	31.8	17.7	14.7
240	17.4	36.0	32.6	30.6	16.2	13.2
300	16.8	41.2	31.2	29.2	14.2	11.2
350	16.3	44.9	30.1	28.1	12.9	9.9