

CATEGORY 5E OUTDOOR CABLE

4 Pair, 24 AWG, Solid Bare Copper Conductors, Aluminum Tape Shield, PE, Copper Clad Steel Ground Wire, Wooden Reel Package

PERFORMANCE CHARACTERISTICS

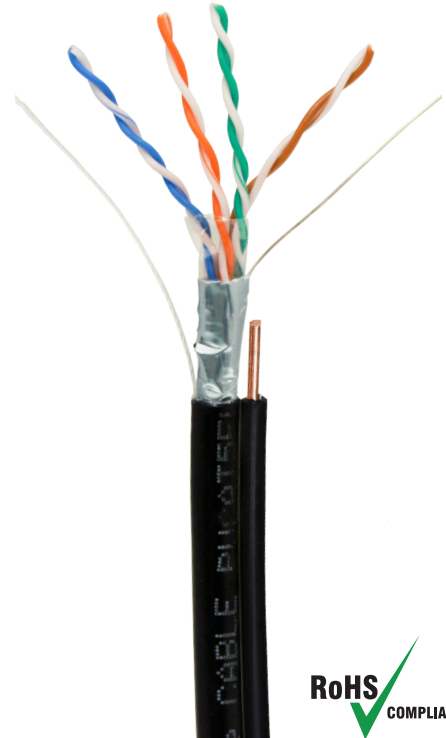
Meet or Exceed TIA/EIA-568-C.2
Certified to 100 MHz
Swept tested to 350 MHz
ISO/IEC 11801

ELECTRICAL CHARACTERISTICS

Impedance @1-100 MHz: 100 ± 15 Ohms
Nominal Mutual Capacitance @1KHz: 15 pf/foot
Maximum Capacitance Unbalance: 330 pf/100 m
Nominal Velocity of Propagation: 70%
Maximum Delay (ns/100m) @100MHz: 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: 0.20 in (0.50mm)
Conductor Stranding: Solid
Conductor Material: Bare Copper
Insulation Material: HDPE
Tape Wrap: PE 100% Coverage
Shield: Aluminum Polyethylene Tape
ESD Drain Wire: 0.018 in (0.45mm)
Outer Jacket Diameter: 0.252 in (6.40mm)
Outer Jacket Material: Black, UV Resistant LDPE
Ground Wire Diameter: 0.047 in (1.151mm) Copper Clad Steel
Outer Jacket Ripcord: Yes
Shipping Weight: 28 lbs/1,000 ft (42 kg/km)
Max. Recommended Pulling Tension: Min. 35 lbs (16 kg)
Bend Radius (Install): Operating Temperature 1.0 in (2.5 cm)
Operating Temperature Range: -40°C to +75°C
Range: 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	19.0	3.0	60.0	57.0	58.6	55.6
4	19.0	3.9	54.8	51.8	46.6	43.6
10	19.0	6.2	48.5	45.5	38.6	35.6
16	19.0	7.9	45.2	42.2	34.5	31.5
20	19.0	8.9	43.7	40.7	32.6	29.6
25	18.0	10.0	42.1	39.1	30.7	27.7
31.25	17.1	11.2	40.5	37.5	28.7	25.7
62.50	14.1	16.2	35.7	32.7	22.7	19.7
100	12.0	21.0	32.3	29.3	18.6	15.6
200	9.0	30.9	27.5	24.5	12.6	9.6
250	8.0	35.0	25.7	22.7	10.7	7.7
350	6.5	42.6	23.5	20.5	7.8	4.8