

Dry Gel Shielded Category 5e Cable

4 Pair, 24 AWG Solid Bare Copper Conductors
Indoor/Outdoor

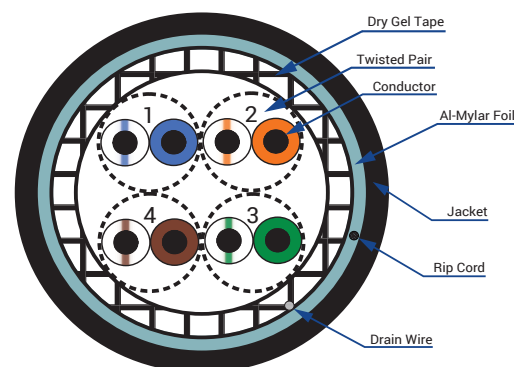
CONSTRUCTION CHARACTERISTICS

Number of Pairs	4
Total Number of Conductors	8
AWG	24 (0.51 mm)
Conductor Stranding	Solid
Conductor Material	Bare copper
Insulation Material	HDPE (1.02 mm)
Outer Jacket OD	0.268 in (6.8 mm)
Outer Jacket Material	Black, UV resistant PVC
Outer Jacket Ripcord	Yes
Shipping Weight	34 lb/1000 ft (50.6 kg/km)
Max Recommended Pulling Tension	35 lb (16 kg)
Min Bend Radius (Install)	1.0 in (2.5 cm)
Operating Temperature Range	-40 °C to +75 °C
Sequential Marking	0 ft to 1000 ft (0 m to 35 m)
Reference Standard	ISO/IEC 11801, TIA/EIA-568-C.2
Packaging Options	RIB, EnviroReel, EnviroReel Reload
UL/CSA/ETL	ETL CMG
Wall Blocking Material	Dry gel swellable tape
Shield Tape	Aluminum tape
Drain Wire	26 AWG solid TC



ELECTRICAL CHARACTERISTICS

Impedance 1 MHz to 100 MHz	100 Ω ± 15 Ω
Nominal Mutual Capacitance @ 1 KHz	15 pF/ft
Maximum Capacitance Unbalance	330 pF/100 m
Nominal Velocity of Propagation	70%
Maximum Delay (ns/100 m) @ 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 Ω/100 m
Certified to 100 MHz, Swept to 350 MHz	



Frequency (MHz)	Return Loss (Min dB)	Attenuation (Max dB/100 m)	NEXT (Min dB)	PSNEXT (Min dB)	ELFEXT (Min dB/100 m)	PSELFEXT (Min dB/100 m)
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