



CAT 5E FTP/OUTDOOR LAN CABLE

Shielded

Shireen's item# DC-1021 is high quality outdoor FTP (Foil Twisted Pair) Cat5e cable. It features 4 Twisted pairs of 24 AWG wire with Al foil shielding and drain wire. Excellent for use in all outdoor applications of networking, data transfer and phone lines. It supports 10/100/1000Mbps.

Cross Section		Electrical Characteristics(20°C)				
		Standard : IAEIA-568-B.2 & IEC/ISO 11801				
		Tests: 1. Conductor D.C. Resistance 2. Imbalance of Pair D.C Resistance 3. Dielectric Strength between Pairs 4. Insulation Resistance 5. Capacitance 6. Imbalance of Capacitance 7. Characteristic impedance(1 to 100MΩ) 8. Short or Open of the loop 9. Shield	Units Ω/100m % kv/min MΩ·km nF/100m pF/100m — —	Spec ≤9.5 ≤2.5 ≤1.0 ≥5000 ≤5.6 ≤330 100±15 None Continuous		
Cable Description		Frequency (MHz)	RL (dB)	SRL (dB)	ATTEN (dB/100m)	NEXT (dB/100m)
Conductor :		1	20.00	28.00	2.03	65.30
Pairs	4	4	23.01	28.00	4.03	56.27
Total Conductors	8	8	24.52	28.00	5.73	51.75
AWG	24	10	25.00	28.00	6.43	50.30
Dia. of Conductor	Φ 0.50±0.01mm	16	25.00	28.00	8.19	47.24
Material	Solid Bare Copper	20	25.00	25.00	9.20	45.78
Elongation	≥15%	25	24.32	27.03	10.33	44.33
Insulation :		31.25	23.64	26.06	11.62	42.88
Material	HDPE- Polyethylene	62.5	21.54	23.05	16.79	38.36
Nom. Thickness	0.24mm	100	20.11	21.01	21.65	35.30
Dia.	Φ 0.98±0.05mm					
Elongation	≥300%					
Color Cord	Pair 1 : White-Blue/Blue Pair 2 : White-Orange/Orange Pair 3 : White-Green/Green Pair 4 : White-Brown/Brown					
Shieldings:		Frequency (MHz)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
Vertical Wrap	Al-Mylar Tape 0.055×18mm	1	62.30	64.00	61.00	45.00
Coverage %	100%	4	53.27	51.96	48.96	45.00
AWG	24	8	48.75	45.94	42.94	45.00
Drain Wire	TC - Solid Tinned Copper	10	47.30	44.00	41.00	45.00
Sheath:		16	44.24	39.92	36.92	45.00
Material	LDPE	20	42.78	37.98	34.98	45.00
Rip Cord	200D×3	25	41.33	36.04	33.04	45.00
Nom. Thickness	0.75±0.03mm	31.25	39.88	34.10	31.10	45.00
O.D.	Φ 6.50±0.3mm	62.5	35.36	28.08	25.08	45.00
Color	Black	100	32.30	24.00	21.00	45.00
Packing	1000FT Reel-in-a Box					
Mechanical and Environmental Specifications						
Operating Temp Range		minus 49°F to +149°F (-45°C to +65°C)				
Weight		28 lbs				