

# CAT5E Black Solid Gel Filled Outdoor Cable

## C-C5E-SLDGEL

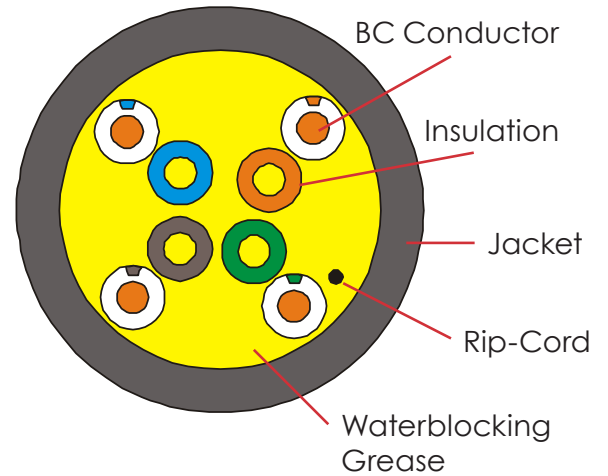
305M Cat5E Black SOLID GEL Filled Outdoor cable, 350MHz, 24 AWGx4P, PE UV Rated Jacket Supplied on a Plastic Reel. Below ground installation.

### PRODUCT SPECIFICATIONS

Category	U/UTP ZST CAT5e-4P-PE			
Test Standard	ISO/IEC11801, TIA- 568C.2 YD/T1019			
Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.500	Up	+0.005
Insulation	Material	HDPE		
	Diameter	1.09±0.03mm		Down
Colour	A.Blue, White-Blue	B.Orange, White-Orange		
	C.Green, White-Green	D.Brown, White-Brown		
Sheath	Thickness	0.55±0.05 mm		
	External O.D.	5.8±0.4 mm		
	Surface	Clean, Frap, Satiation		
	Material	LDPE		
	Colour	Black		
Surface Printing	Letter Height	3.0±0.3mm		
	Colour	White		
	Print Error & Space	≤±0.5% 1m		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0			
	Elongation (%) ≥350			
	Aging Period (°C×hrs) 100°C×24h×10d			
	After Aging Elongation(%) ≥300			
Electrical Characteristics (20°C)	Cold bend (-20±2°C×4h) No visible cracks			
	1.0-100.0MHz, Impedance (Ω) 100±15			
	Delay Shew 20°C (ns/100m) ≤45			
	Capacitance(nF/100m) max: 5.6			
	DC Resistance 20°C (Ω/100m) max 9.5			
	DC Conductor Resistance Unbalance (%)max 5.0			

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## Technical Performance (100M)

Frequency (MHz)	RL $\geq$ dB	ATT (20°C) $\leq$ dB	NEXT $\geq$ dB	PHASE DELAY $\leq$ ns
1	20.0	2.0	65.3	570.00
4.0	23.0	4.1	56.3	552.00
8.0	24.5	5.8	51.8	546.73
10.0	25.0	6.5	50.3	545.38
16.0	25.0	8.2	47.2	543.00
20.0	25.0	9.3	45.8	542.05
25.0	24.3	10.4	44.3	541.20
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17.0	38.4	538.55
100	20.1	22.0	35.3	537.60
Frequency (MHz)	PSNEXT $\geq$ dB	ELFEXT $\geq$ dB	PSELFEXT $\geq$ dB	
1	62.3	63.8	60.8	
4	53.3	51.8	48.8	
8	48.8	45.7	42.7	
10	47.3	43.8	40.8	
16	44.4	39.7	36.7	
20	42.8	37.8	34.8	
25	41.3	35.8	32.8	
31.25	39.9	33.9	30.9	
62.5	35.4	27.9	24.9	
100	32.3	23.8	20.8	