



CAT6 Black Solid Gel Cable Roll

NCC6SLDGEL

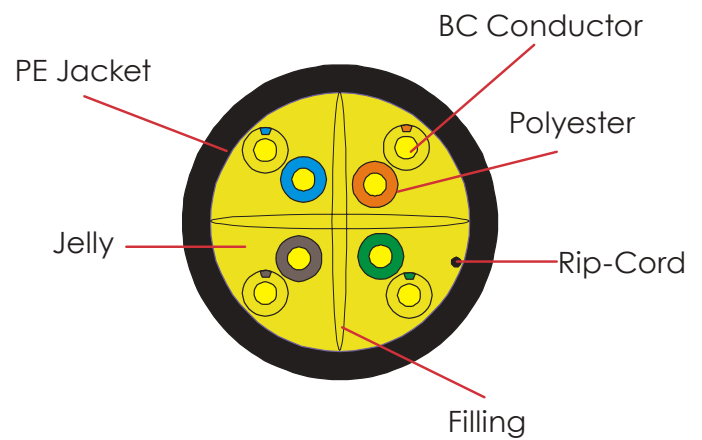
305m CAT6 black solid gel cable roll.
Below ground installation.

PRODUCT SPECIFICATIONS

Category	U/UTP-ZST CAT6-4P-PE			
Test Standard	ISO/IEC11801, TIA-568C.2			
Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.565	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	0.60±0.05 mm		
	External O.D.	6.8±0.8 mm		
	Surface	Clean, Frap, Satiation		
	Material	LDPE		
Surface Printing	Colour	Black		
	Letter Height	3.0±0.3mm		
	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) 8×Cable O.D. No visible cracks			
	1.0-250.0MHz, Characteristic impedance (Ω) 100±15			
	1.0-250.0MHz, Delay Shew 20°C (ns/100m) ≤45			
	DC Resistance 20°C (Ω/100m) max 9.38			
	DC Conductor Resistance Unbalance (%)max 5.0			
NVP (Nominal Velocity of Propagation): 69%				

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FLUKE Technical Performance

Frequency (MHz)	RL \geq dB	ATT \leq dB	NEXT \geq dB	DELAY \leq ns
1	19.1	3.0	65.0	
4.0	21.0	3.5	64.1	
8.0	21.0	5.0	59.4	
10.0	21.0	5.5	57.8	
16.0	20.0	7.0	54.6	498
20.0	19.5	7.9	53.1	
25.0	19.0	8.9	51.5	
31.25	18.5	10.0	50.0	
62.5	16.0	14.4	45.1	
100	14.0	18.6	41.8	
200	11.0	27.4	36.9	
250	10.0	31.1	35.3	
Frequency (MHz)	PSNEXT \geq dB	ELFEXT \geq dB	PSELFEXT \geq dB	
1	62.0	64.2	61.2	
4	61.8	52.1	49.1	
8	57.0	46.1	43.1	
10	55.5	44.2	41.2	
16	52.2	40.1	37.1	
20	50.7	38.2	35.2	
25	49.1	36.2	33.2	
31.25	47.5	34.3	31.3	
62.5	42.7	28.3	25.3	
100	39.3	18.2	15.2	
200	34.3	18.2	15.2	
250	32.7	16.2	13.2	