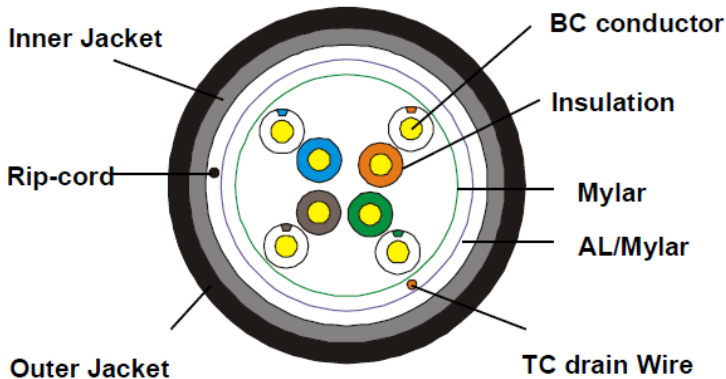


Cat-5e 4-Pair STP Outdoor Double Jacket



Construction			
Category	CAT5e STP 4-pair		
Test Standard	ISO/IEC11801, TIA- 568C.2, IEC61156		
Conductor	Material	Solid Bare Copper	
	Nom. O.D. (mm)	0.500	Up +0.005 Down -0.005
Insulation	Material	HDPE	
	Diameter	1.00±0.05mm	
Color	A.Blue, White-Blue	B.Orange,White-Orange	
	C. Breen, White-Green	D. Brown, White-Brown	
Rip-cord:	Yes	Drain wire:	Yes
Shielded:	Mylar + AL/Mylar		
Jacket	Thickness	0.55±0.1 mm	
	External O.D	7.4±0.5 mm	
	Surface	Clean, Frap, Satiation	
	Material	LDPE (complies RoHS)	
	Color	Black	
Surface Printing	Letter height	3.0±0.3mm	
	Color	White	
	Print error & Space	≤±0.5%, 1m	
Packing Length	305±1.5m		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0	Elongation(%) ≥350
	Aging Period (°C x hrs)	100°C x 24h x 10d	
	After Aging Elongation(%)	≥300	

	Cold bend(-20±2°C x 4h) No visible cracks
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω) 100±15
	1.0-100.0MHz, Delay Shew 20°C (ns/100m) ≤45
	DC Resistance 20°C (Ω/100m) max 9.5
	DC Conductor Resistance Unbalance (%)max 5.0
	Capacitance unbalance to earth (pf/100m) max 330

FLUKE Permanent Link Technical Performance

Frequency (MHz)	Return Loss ≥ dB	ATT ≤dB	NEXT ≥ dB	Delay ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	--	65.3	570.00	62.2	63.8	60.8
4	23.0	4.1	56.3	552.00	53.3	51.8	48.8
8	24.5	5.8	51.8	546.73	48.8	45.7	42.7
10	25.0	6.5	50.3	545.38	47.3	43.8	40.8
16	25.0	8.2	47.2	543.00	44.4	39.7	36.7
20	25.0	9.3	45.8	542.05	42.8	37.8	34.8
25	24.3	10.4	44.3	541.20	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	32.3	23.8	20.8

Ordering Information:

Part Number	Description
NEW-9805981	Newlink Cat5e STP Outdoor Double Jacket