

## Technical Data

### Electrical Data

Frequency (MHZ)	RL (≥dB)	ATT 20°C (≤dB)	NEXT (≥dB)	PHASE DELAY ns	Frequency (MHz)	PS NEXT (≥dB)	ELFEXT (≥dB)	PSELFEXT (≥dB)
1	20.0		—		1	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.00	4	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	8	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	10	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	16	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	20	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	25	51.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	31.25	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	62.5	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	100	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	200	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	250	36.3	19.8	16.8

Electrical characteristics	Value
DC resistance max	9.38 Ohm/100m
DC resistance unbalance	Max 5%
Mutual capacitance	Max 5.6 nF/100m
Capacitance unbalance pair	Max 330pF/100m
Impedance 1-250 MHz	100 ± 15Ω
Propagation delay	Max. 536 ns/100m @ 250 MHz
Dielectric strength	DC KV/sec. 2.5/2
Propagation delay skew	Max 45 ns/100m
Insulation resistance - MΩ/km	Min.5000
Nominal velocity of propagation	69%

### Ordering Information

Part No.	Description
ANC6SFPBK23-305MT-PE	Cat 6 (SFTP), 4 Pairs, Solid PE, Outdoor Cable, 305m, Black Colour