TECHNICAL DATA SHEET



LAN Cable Cat6 4 Pair Outdoor Compliant 305m Black UTP CB19778

Insulation: HDPE Size: Ø1.0±0.05mm WH/BU WH/OG WH/GN WH/BN	Design of ca	able								
Size	Inner conductor:		Single bare copper Ø0.55±0.01mm							
Colour	Insulation:		HDPE							
2 wires twisted to 1 pair: 4 wires twisted to a qual: PET overlapped: Rip wire: Jacket: PE Colour: Black Size: Ø6.3±0.2mm Wall thickness: ≈0.6mm Electric data at 20°C Conductor resistance: Insulation resistance: ≥5000 MΩ*km Testing voltage: wire/wire 50Hz1min=1.5KV ATT Max less than 10%: Frequency Impedance RL ATT NEXT ELFEXT PSNEXT PSELFEXT SKW NVP Mhz Ohm ≥dB/100m	Size:		Ø1.0±0.05mm							
4 wires twisted to a qual: PET overlapped: Rip wire: Jacket: PE Colour: Black Size: Ø6.3±0.2mm Wall thickness: ≈0.6mm Electric data at 20°C Conductor resistance: \$80.0Ω/km Insulation resistance: \$5000 MΩ*km Testing voltage: wire/wire 50Hz1min=1.5KV ATT Max less than 10%: Frequency Impedance ML ATT NEXT ELFEXT PSNEXT PSELFEXT SKW NVP Mhz Ohm ≥dB/100m ≥dB/100m ≥dB/100m ≥dB/100m ≥dB/100m ≥dB/100m ≥ns/100m 1 20.0 2.1 74.3 68.0 72.3 65.0 4 23.0 3.7 65.0 56.0 63.3 53.0 8 31.25 5.3 60.7 49.9 48.8 46.9 10 10 100±15 25.0 7.5 56.0 43.9 54.2 40.9 25.0 8.4 55.0 42.0 52.8 39.0 24.3 9.5 53.3 40.0 41.3 37.0 31.25 62.5 15.4 47.0 32.1 45.4 29.1 100 100 200 100±20 18.0 29.0 40.0 22.0 37.8 19.0 250 17.3 32.8 38.3 20.0 36.3 17.0 Miscellaneous Permissible temperature: -15°C~75°C	Colour		WH/BU WH/OG WH/GN WH/BN							
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Dacket: PE Dack Size: Ø6.3±0.2mm										
Size Ø6.3±0.2mm			PE							
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Section Se			≈0.6mm							
Testing voltage:										
Testing voltage: wire/wire 50Hz1min=1.5KV ATT Max less than 10%: Frequency Impedance RL ATT NEXT ELFEXT PSNEXT PSELFEXT SKW NVP Mhz Ohm ≥dB/100m ≥dB/100m ≥dB/100m ≥dB/100m ≥dB/100m ≥dB/100m ≥ns/100m 1 20.0 2.1 74.3 68.0 72.3 65.0 23.0 3.7 65.0 56.0 63.3 53.0 24.5 5.3 60.7 49.9 48.8 46.9 25.0 5.9 59.0 48.0 57.3 45.0 25.0 5.9 59.0 48.0 57.3 45.0 25.0 8.4 55.0 42.0 52.8 39.0 25.0 25.0 8.4 55.0 42.0 52.8 39.0 25.0 24.3 9.5 53.3 40.0 41.3 37.0 25.0 23.6 10.6 52.0 38.1 49.9 35.1 62.5 21.5 15.4 47.0 32.1 45.4 29.1 100 20 100±20 18.0 29.0 40.0 22.0 37.8 19.0 250 17.3 32.8 38.3 20.0 36.3 17.0 Miscellaneous Permissible temperature: -15°C~75°C	Conductor resistance:		≤80.0Ω/km							
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Frequency Impedance RL ATT NEXT ELFEXT PSNEXT PSELFEXT SKW NVP Mhz Ohm ≥dB/100m ≥dB/100m <td colspan="2">Testing voltage:</td> <td colspan="8">wire/wire 50Hz1min=1.5KV</td>	Testing voltage:		wire/wire 50Hz1min=1.5KV							
Mhz Ohm ≥dB/100m ≥dB/	ATT Max les	s than 10%:								
1	Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
4 23.0 3.7 65.0 56.0 63.3 53.0 10 24.5 5.3 60.7 49.9 48.8 46.9 25.0 5.9 59.0 48.0 57.3 45.0 20 25.0 7.5 56.0 43.9 54.2 40.9 25 25.0 8.4 55.0 42.0 52.8 39.0 25 24.3 9.5 53.3 40.0 41.3 37.0 31.25 23.6 10.6 52.0 38.1 49.9 35.1 62.5 21.5 15.4 47.0 32.1 45.4 29.1 100 20.1 19.8 44.0 28.0 42.3 25.0 200 100±20 18.0 29.0 40.0 22.0 37.8 19.0 250 17.3 32.8 38.3 20.0 36.3 17.0 Miscellaneous Permissible temperature: -15°C~75°C	Mhz	Ohm	≥dB/100m	≥dB/100m	≥dB/100m	≥dB/100m	≥dB/100m	≥dB/100m	≥ns/100m	
8 24.5 5.3 60.7 49.9 48.8 46.9 25.0 5.9 59.0 48.0 57.3 45.0 45.0 25.0 25.0 25.0 25.0 24.3 9.5 53.3 40.0 41.3 37.0 25.5 23.6 10.6 52.0 38.1 49.9 35.1 45.4 29.1 200 200 201 19.8 44.0 28.0 42.3 25.0 250 17.3 32.8 38.3 20.0 36.3 17.0			20.0		74.3	68.0	72.3	65.0	≤45	66%
10		100±15		3.7	65.0	56.0	63.3	53.0		
16					60.7	49.9	48.8	46.9		
20	10		25.0	5.9	59.0	48.0	57.3	45.0		
25	16		25.0	7.5	56.0	43.9	54.2	40.9		
25 24.3 9.5 53.3 40.0 41.3 37.0 31.25 23.6 10.6 52.0 38.1 49.9 35.1 45.4 29.1 100 20.1 19.8 44.0 28.0 42.3 25.0 200 100±20 18.0 29.0 40.0 22.0 37.8 19.0 250 17.3 32.8 38.3 20.0 36.3 17.0 Miscellaneous Permissible temperature: -15°C~75°C	20		25.0	8.4	55.0	42.0	52.8	39.0		
62.5	25		24.3	9.5	53.3	40.0	41.3	37.0		
100 20.1 19.8 44.0 28.0 42.3 25.0 200 100±20 18.0 29.0 40.0 22.0 37.8 19.0 250 17.3 32.8 38.3 20.0 36.3 17.0 Miscellaneous Permissible temperature: -15°C~75°C	31.25		23.6	10.6	52.0	38.1	49.9	35.1		
200 100±20 18.0 29.0 40.0 22.0 37.8 19.0 250 17.3 32.8 38.3 20.0 36.3 17.0 Miscellaneous Permissible temperature: -15°C~75°C	62.5		21.5	15.4	47.0	32.1	45.4	29.1		
250 17.3 32.8 38.3 20.0 36.3 17.0 Miscellaneous Permissible temperature: -15°C~75°C	100	100±20	20.1	19.8	44.0	28.0	42.3	25.0		
Miscellaneous Permissible temperature: -15°C~75°C	200		18.0	29.0	40.0	22.0	37.8	19.0		
Permissible temperature: -15°C~75°C	250		17.3	32.8	38.3	20.0	36.3	17.0		
	Miscellaneo	us								
	Permissible t	emperature:	-15°C~75°C							
	Packaging:		305m Reel							

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