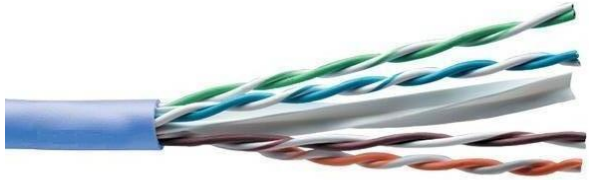




大山電線電纜股份有限公司

Dah San Electric Wire & Cable Corp.

LAN CABLE OUTDOOR(DOUBLE SHEATH) UTP Cat. 6

	<p>Application : Work area wiring cables for voice, video and high speed data transmission.</p> <p>Standards: ANSI/TIA 568C.2 & ISO/IEC 11801</p>
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Cable construction		
Conductor	material	Copper
	dia. (mm)	0.56
Insulation	material	HDPE
	thickness (mm)	0.22
	dia. (approx.mm)	1.00
Assembly	pair	4
Inner Sheath	material	PVC
	thickness (mm)	0.5
	dia. (approx.mm)	6.3
Outer Sheath	material	PE
	thickness (mm)	0.5
	dia. (approx.mm)	7.3
Electrical data at 20°C		
Impedance	(Ω)	100±15
Capacitance	Max. (pf/M)	56
Resistance Unbalance	Max. (%)	5
cap. Unbalance to Ground	Max. (Pf/100m)	330

Category 6 Cable Limits in dB per ANSI / TIA 568C.2

Frequency MHz	Insertion Loss per 100m	NEXT Pair-to-pair	NEXT power sum	ELFEXT Pair-to-pair	ELFEXT power sum	ACR Pair-to-pair	ACR power sum	Return Loss Solid
1	2.0	74.3	72.3	67.8	64.8	72.3	70.3	20.0
4	3.8	65.3	63.3	55.8	52.8	61.5	59.5	23.0
8	5.3	60.8	58.8	49.7	46.7	55.5	53.5	24.5
10	6.0	59.3	57.3	47.8	44.8	53.3	51.3	25.0
16	7.6	56.2	54.2	43.7	40.7	48.6	46.6	25.0
20	8.5	54.8	52.8	41.8	38.8	46.3	44.3	25.0
25	9.5	53.3	51.3	39.8	36.8	43.8	41.8	24.3
31.25	10.7	51.9	49.9	37.9	34.9	41.2	39.2	23.6
62.5	15.4	47.4	45.4	31.9	28.9	32.0	30.0	21.5
100	19.8	44.3	42.3	27.8	24.8	24.5	22.5	20.1
200	29.0	39.8	37.8	21.8	18.8	10.8	8.8	18.0
250	32.8	38.3	36.3	19.8	16.8	5.5	3.5	17.3

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