

Data-Grade Cables - Cat 5E+

OUTDOOR CABLE CATEGORY 5E DIRECT BURY



DESCRIPTION:

- 24 gauge solid bare copper conductor
- Polyethylene insulation
- Insulated conductors twisted into pairs
- Core filled with water blocking gel
- Polyethylene Jacket

SPECIFICATIONS:

ISO/IEC 11801 **RoHS**
ANSI/EIA/TIA 568-B.2-1

FEATURES:

Category 5E intended for structured cabling in telecommunications networks, for outdoor use in direct burial or duct installations.

Standard put-ups are 1000 foot boxes

Product Code	Number of Pairs	Overall Diameter	Net Weight Lb/mft	Jacket Thickness
664455DB	4	0.225"	18	0.0205"

Conductor Resistance d.c. Maximum @ 20°C	Mutual Capacitance pf/ft	Characteristic Impedance Ω 1 to 100 MHz	Delay Skew Maximum ns	Return Loss Minimal (fin Mhz) dB
28.6 Ω /ft	16	100 $\pm$ 15 (1-100MHz)	45	20+5Log(f) ; 1 $\leq$ f<10
		100 $\pm$ 22 (100-200MHz)		25 ; 10 $\leq$ f<20
				25-7.0Log(f/20) ; 20 $\leq$ f $\leq$ 100

*All values are nominal, and subject to manufacturing tolerances.

Transmission Characteristics			
Frequency MHz	Maximum Attenuation dB/100 m	Minimum NEXT Loss dB/100 m	Minimum FEXT Loss dB/100 m
1	2.1	65.3	63.8
10	6.5	50.3	43.8
16	8.2	47.2	39.7
31	11.7	42.9	33.9
100	22.0	35.3	23.8
200*	32.4	30.8	17.8
250*	36.9	29.3	15.8
350*	44.9	27.1	12.9
400*	48.5	26.3	11.8

*Typical values, there are no specified values at this frequency in the specification