DS 040

Zeta6 Cat 6 Cable

305m Box PVC Sheath	46.10041
305m Box LSOH Sheath	46.10042

Supplied in 305m easy pull 'reelex' boxes Zeta6 cable it is metre marked for ease of use. Tested to exceed TIA/EIA 568-B specifications, it is available with either a PVC (grey) or LSOH (purple) outer sheath. When used with Zeta6 modules and patch panels, it delivers exceptional performance over all 4 pairs, allowing protocols such as Gigabit Ethernet to perform with ease. When used as part of a Zeta6 warranted installation, a 25 year standards based performance warranty is available.

PHYSICAL

Conductors	bare copper 23 AWG
Insulation	HD-PE
Pair colours	Pair 1 Blue/White-Blue
	Pair 2 Orange/White-Orange
	Pair 3 Green/White-Green
	Pair 4 Brown/White-Brown
Jacket	PVC or LSOH
Diameter	6.3mm +/- 0.3mm
Bend Radius	25mm

ELECTRICAL

Dielectric strength	2000v dc
Insulation resistance	min 150Mohm/KM
Conductor resistance	max 9.4 ohms/100m
Capacitance unbalance	max 330pF/100m
Mutual capacitance	max 560pF/100m
Impedance 1 to 250MHz	100 ohms +/- 32
NVP	68%

TRANSMISSION PERFORMANCE

Frequency	RL (dB)	Att (dB/100)	NEXT (dB)	NEXTPS (dB/100)	ELFEXT (dB/100)	ELFEXT PS (dB/100)
1MHz	20.0	2.04	74.3	72.3	67.8	64.8
10MHz	25.0	5.00	59.3	57.3	47.8	44.8
25MHz	24.3	9.57	53.3	51.3	39.8	36.8
62.5MHz	21.6	15.5	47.4	45.4	31.9	28.9
100MHz	20.1	19.9	44.3	42.3	27.8	24.8
125MHz	19.4	22.5	42.8	40.8	25.9	22.9
200MHz	18.0	29.1	39.8	37.8	21.8	18.8
250MHz	17.3	33.0	38.3	36.3	19.8	16.8

data sheet

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