Specialist Cable Supplies

Tel: 01753 687718 Fax: 01753 251114
sales@specialistcable.co.uk

UTP Category 6 Unscreened range of data cables

Application

Data networking cables to 250MHz 4 Pair 23AWG Solid Conductor CAT6 [ISO/IEC11801, TIA/EIA568B

PVC / LSOH /PE Duct Jackets available

LSZH Sheath meets:
IEC60332-1 [Flame Propagation]
IEC60754 [Halogen Free]
IEC61034 [Smoke Emissions

PE Jacket UV stable and suitable for external use
with suitable mechanical protection where required

CPR Compliant -Class ECA



Construction

Conductor:	Soli Bare copper 23 AWG (1/0.57)
Insulation:	HDPE Dia 0.98mm
Pairs :	4 Pair
Outer Sheath:	PVC / LSZH / PE
OD :	6.5 mm Diameter
Colours:	Grey (PVC) Violet (LSZH) Black (PE Duct)

Characteristics

Operating Temp	-40 Deg C - + 75 Deg C
Installation Temp	-30 Deg C - +65 Deg C
Conductor DC Resistance	93.8 Ohm / km
Conductor Resistance Unbalanced	5.0
Characteristic Impedance	100 Ohm
Velocity Ratio	72%

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Frequency (MHz)	RL (dB) min. ≥	Attenuation (dB/100m) max ≤	NEXT (dB) ≥	PSNEXT (dB) ≥	PSELFEXT (dB) ≥	ELFEXT (dB) ≥
1	20.0	2.0	74.3	72.3	64.8	67.8
4	23.0	3.8	65.3	63.3	52.8	55.8
10	25.0	5.3	59.3	57.3	44.8	47.8
20	25.0	8.5	54.8	52.8	38.8	41.8
62.5	21.5	15.4	47.4	45.4	29.1	42.0
100	20.1	19.8	44.3	42.3	25.0	27.8
150	18.9	24.7	41.7	39.7	21.3	24.3
200	18.0	29.0	39.8	37.8	19.0	21.8
250	17.3	32.8	38.3	36.3	17.0	20.4

Colour Code		
Pair 1	Blue, White/Blue	
Pair 2	Orange, White/Orange	
Pair 3	Green, White/Green	
Pair 4	Brown, White/Brown	

Statement of Conformance

It is hereby certified that any goods supplied that reference those above, conform to this specification unless otherwise noted
I.loades Director