

Spec Sheet - UTP CAT5e 4 Pair SWA

100MHz 4 Pair 24AWG Solid Conductor CAT5e (ISO/IEC11801, TIA/EIA568B)
Steel Wire Armour

This cable is manufactured to pass the stricter Permanent Link Test to 90 metres

Physical Characteristics

Conductor Solid Bare Copper Wire	
Size 24AWG (1/0.51 - ±0.005)	
Number of Pairs 4 Pairs	
Insulation HDPE Ø 0.92mm (±0.05mm)	
Screening None	
Inner Sheath Material Purple LSZH (Printed with batch details)	
Inner Sheath Dimensions Ø5.4mm	
Inner Sheath #2 LSZH Ø7.50mm	
Armour Galvanised Steel Wire (0.9mm x 27)	
Outer Sheath External Grade LSZH Black Ø12.80mm	
Weight 239kg/km	

Electrical Characteristics

Conductor DC Resistance 96.5 (/km)	
Conductor Resistance Unbalance (%) Max 2.5	
Characteristic Impedance 100	

	RL (dB)	Insertion Loss (dB)	NEXT (dB)	PSNEXT (dB)	PS ACR-N (dB)	PS ACR-N (dB)	ACR-N (dB)	ACR-F (dB)
1	19.0	4.0	60.0	57.0	53.0	55.6	56.0	58.6
4	19.0	4.0	54.8	51.8	47.8	41.6	50.8	44.6
8	19.0	5.4	50.0	47.0	41.6	37.6	44.6	40.6
10	19.0	6.1	48.8	45.5	39.4	35.6	42.4	38.6
16	19.0	7.7	45.2	42.2	34.5	31.5	37.5	34.5
	18.0	9.7	42.1	39.1	29.4	27.7	32.4	30.4

	Blue

P	Green, White/Grey