



DATA SHEET FOR CAT- 6 UTP ARMoured LAN CABLES

Sr.No	Description	Specification
		TIA/EIA 568-B.2
	Manufacturer;s Name	POLYCAB
		CAT - 6 Armoured Cable
		4P x 23 AWG
1	Construction & Dimensions	
	Construction	4 Unshielded twisted pairs (UTP)
	Inner Conductor	Solid Bare Copper
2	Conductor Diameter in MM	0.53 ± 0.010
3	Insulation Material	HDPE
	Insulation Thickness in MM	0.25 ± 0.05
	Insulation Diameter in MM	1.030 ± 0.05
4	Pairing	
		White /Blue - Blue
		White /Orange - Orange
		White /Green - Green
		White /Brown- Brown
5	Laid -up	
	Laid Up diameter in mm	4.60 ± 0.5
6	Rip Chord	Nylon rip chord
7	Inner Sheathing	FR PVC
	Sheathing Thickness in MM	0.50 ± 0.010
	Inner Sheath Diameter in MM	5.80 ± 0.5
	Inner Sheath Colour	Grey
8	Armouring	GI WIRE
	GI Size in MM	0.9
	Dimeter over Armoured	7.6 ± 0.5
9	Outer Sheath	FR PVC
	Min Sheath Thickness in mm	1.24
	Min Outer Sheath Dia in mm	10.10 ± 1.0
	Outer Sheath Colour	Grey
10	Electrical Parameters (at 20 Deg.cent)	
	Nominal mutual capacitance at 1KHZ	56nf/km
	Maximum Conductor DCR	92.0 Ohm/Km
	NVP- Nominal velocity of Propagation	65% @ 250 MHz
	SKEW-propagation delay difference	Max 48ns/100 mts @ 250 MHz.
	Mean Characteristics impedance	100+/- 15 Ohm @250 MHz.
11	General and Environmental Characteristics	
	Temp Range operation storage	-20°C + 60°C
	Temp Range installation	-0°C + 50°C
	Minimum bending radius- operation	12XD
12	Standard Packing	
	Box Packing	1000 Mtrs