

PARAS WIRES PVT LTD, BENGALURUPlot No. 17 Q Phase-2 Sector 1, Bidadi Industrial Area
Ramanagara Taluk & Dist-562109

Technical Datasheet

Datasheet No: A365

Rev. No: 00

Customer: Authenza Automations LLP

Customer Part no: To be specified

Item Description: Power and RJ45 Cat5e (2*18 awg + 8*28 awg) wires in single cable technology with no hindrance of EMI interference in cat5e

Reference standard: Customized/Paras equivalent standard

Date: 14/03/2022

Rev Date:

S.no	Parameter	Units	Specifications
Component 1(Cat5e S/UTP 28AWG) : 1Unit			
Conductor			
1	Conductor Material		ABC
2	Size	mm(nom)	0.13
3	No of strands		7
4	Conductor Resistance at 20 deg C (max)	Ω /Km(Max)	203.8
Insulation			
1	Material		PE
2	Thickness	mm(nom)	0.25
3	OD	mm	0.9 \pm 0.1
4	Color		White/Orange, orange White/green, green White/blue, blue White/brown, brown
5	No of cores/Pairs		4pairs
Cable make up			
1	Laid up		4pair laid up with suitable lay, lay length and direction
2	Separator/Wrapping/Filler		Optional
Shielding/No hindrance of EMI interference for Lan without jacket			
1	Type		Braiding
2	Material		ATC
3	Coverage	%	90%(min)
Component 2 (Power 18AWG): 2units			
Conductor			
1	Conductor Material		ABC
2	Size	mm(nom)	0.254
3	No of strands		16
4	Conductor Resistance at 20 deg C (max)	Ω /Km(Max)	23.4
Insulation			
1	Material		LSZH
2	Thickness	mm(nom)	0.3
3	OD	mm	1.8 \pm 0.1
4	Color		Unit1: Red/To be specified Unit2: Black/To be specified

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5	No of cores		2cores/2units Individual cores with out sheath
Cable make up			
1	Laid up		1unit of cat5 + 2unit of power cores laid up with suitable lay, lay length and direction
2	Filler/Wrap	Mylar	Optional
Outer sheath			
1	Material		LSZH
2	Thickness	mm(nom)	0.6
3	OD	mm	8±0.4
4	Color		Black/To be specified
Test parameters/Electrical Parameters			
1	Conductor Resistance at 20 deg C (max)	Ω/Km(Max)	203.9 for Cat cable 23.4 for power core
2	Operating temperature	°C	-20 to 85°C for Lan cable -40 to 120°C for power units
3	Operating voltage	V	120V for power cores 5V for cat/Lan cable
4	Current rating	Amps	5-7Amps for power core <1Amps for Lan unit
5	Spark test	1Kv/min	Withstand
6	Weight	Kg/Km	88 Kg/Km Appx. 26Kg for 300m
Packing and Dispatch			Identification tag Mandatory Packing/spooling as per Paras standard
Coil length			Coiling dimensions/Bobbin as per paras standard Coil length: As per paras standard