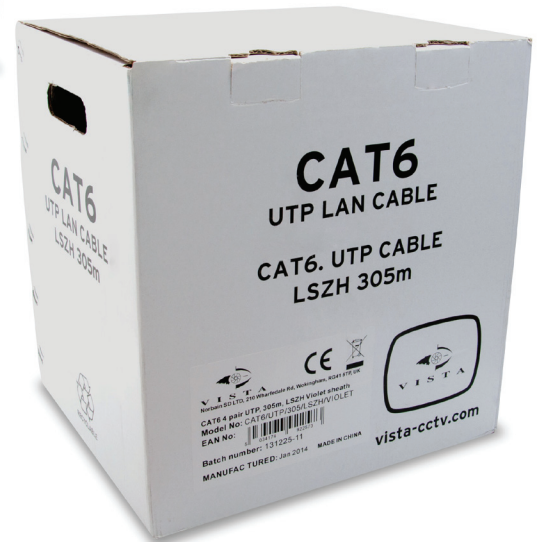## GUARANTEED QUALITY AND CONSISTENCY

Essential to any IP networking infrastructure, Vista supplies a range of Cat5e and Cat6, 4 pair UTP cable, comprising of high quality, solid copper cores to ensure that industry standard network cable lengths can be achieved before additional repeaters or switches are required.

The Cat5e UTP cable has 4 pairs, each with a precise differing number of twists along the length to minimise the cross talk between the pairs and is suitable for use on Gigabit (1000BASE-T) networks. Cat6 cable also has 4 individually twisted pairs, however it includes an internal separator to reduce cross talk even further between the pairs and is suitable for using on 10-Gigabit (10GBASE-T). Both Cat5e and Cat6 cables are suitable for use with cameras that require Power over Ethernet (PoE)

Available in lengths of 305 and 500m, the cable is constructed with either a PVC or LSZH (Low Smoke, Zero Halogen) for internal use or Duct grade (PE) sheath for external applications. Regardless of cable type, all have unique identifiers printed along the length including batch and type, with metres remaining for convenience.

Key Features:

Cat5e & Cat6 options

With 2 options available, use Cat5e for Gigabit ethernet networks (1000BASE-T), with Cat6 cable being suitable for use on up to 10-Gigabit networks (10GBASE-T)

Reduced cross talk

Cat5e and Cat6 have 4 unshielded twisted pairs (UTP) of solid copper core. Cat6 has an additional internal cable separator, further reducing any cross talk, ensuring networking distances can be achieved in accordance with ANSI TIA/EIA 568

UV resistant

Duct cable can be laid in external areas exposed to daylight, without deterioration or break-up over time

Low, Smoke, Zero Halogen

Designed for use in confined spaces or low ventilation areas, this cable is designed to minimise toxic fumes, should it become burnt

Consistency of specification

All cables carry a unique identifier, along with Vista branding, showing batch, date of manufacture and metres remaining in the box or on the drum

FLEXIBILTY BY DESIGN

MODELS IN THIS RANGE

0480540	CAT5e/UTP/305/PVC/GREY	305m CAT5e cable, Grey PVC sheath
0480560	CAT5e/UTP/305/LSZH/VIOLET	305m CAT5e cable, Violet LSZH sheath
0480570	CAT5e/UTP/305/LSZH/WHITE	305m CAT5e cable, White LSZH sheath
0480580	CAT5e/UTP/305/DUCT/BLACK	305m CAT5e cable, Black Duct sheath
0480590	CAT5e/UTP/500/DUCT/BLACK	500m CAT5e cable, Black Duct sheath
0480620	CAT6/UTP/305/LSZH/VIOLET	305m CAT6 cable, Violet LSZH sheath

ASSOCIATED PRODUCTS

0571780	RJ45 Cat5	crimp connectors 100pc
0658850	CRIMP TOOL	with RJ45 Die

TECHNICAL SPECIFICATION

	Type	CAT5e			CAT6
		PVC	LSZH	DUCT	LSZH
Conductor / Core	Length	305m (±1.5)		500m (±2.5)	305m (±1.5)
	Material Ø (mm)	Solid copper 0.48			Solid copper 0.55
	Insulation type	HDPE			
	Insulation Ø (mm)	0.87 (±0.03)			0.98 (±0.03)
	Colours (4 pair)	White- Blue /Blue, White-Orange /Orange, White- Green /Green, White- Brown /Brown			
	Core pair separator	No			Yes
Sheath	Material	PVC	LSZH	PE	LSZH
	Thickness mm	0.50 (±0.05)			0.55 (±0.05)
	External Ø mm	4.9 (±0.4)	5 (±0.4)	5.3 (±0.4)	6.2 (±0.4)
	Surface	Clean, Frap, Satiation			
	Printing letter height (mm)	3 (±0.3)			
	Printing colour	Black	Black	White	Black
	Printing interval	1m (inc type, batch number, approvals)			
	Rip cord	Yes			
Sheath Physical Properties	Before aging				
	Tensile strength (Mpa)	≥13.5	≥10	≥10	≥10
	Elongation (%)	≥150	≥125	≥350	≥125
	After aging (aging period 100°C x 24h x 7 days)				
	Tensile strength (Mpa)	≥12.5	≥8	≥8	≥8
	Elongation (%)	≥125	≥100	≥100	≥100
	Cold bend (-20±2°C ×4h)	No visible cracks			
Electrical Characteristics	Impedance (Ω)	1-100MHz: 100±15			1-250MHz: 100±15
	Delay Shew (ns/100m)	1-100MHz: ≤45			1-250MHz: ≤45
	DC Resistance (Ω/100m)	max 11.0		max 11.5	max 9.5
	DC Conductor Resistance Unbalance (%)	max 5.0			
Packaging	Packing	Cardboard box		Wooden reel	Cardboard box (with reel)
	Box dimensions cm (WxHxD)	20 x 35 x 35		N/A	21 x 40.5 x 40.5
Other	Approvals	RoHS compliant, REACH, ISO/IEC11801, TIA-568-C.2, YD/T1019			

CE

DS-CAT5e/CAT6 Cable-Version1