

SCP Part #: CAT6SH-DB

Product Specifications: CAT6 SHIELDED DIRECT BURIAL- ENHANCED 550 MHz 23 AWG SOLID 4PR, F/UTP, GEL TYPE, TIA/EIA 568-C.2, LLDPE JKT- BLACK- 1000 FT SPOOL

Date	Prepared by	Checked by	Approved by	Version	Revision Declaration																																																																																																																												
2013-11-29	Caihangle	Nidonghua	Wangfuzhu	A0																																																																																																																													
Content of the Data Sheet																																																																																																																																	
Sheath Printing	STRUCTURED CABLE PRODUCTS --- P/N CAT6SH-DB --- CAT6 SHIELDED DIRECT BURIAL ENHANCED 550 MHz 4 PR 23 AWG SOLID F/UTP GEL FILLED LLDPE VERIFIED TO ANSI/TIA-568-C.2 CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 XXXX FEET MM/YY																																																																																																																																
Customer reference																																																																																																																																	
Category	F/UTP- GEL CAT6-4P-PE																																																																																																																																
Test Standard	ISO/IEC11801、TIA- 568-C.2 YD/T 1019																																																																																																																																
Conductor	Material	Solid Bare copper																																																																																																																															
	Nom.O.D.(mm)	0.565	up	+0.005																																																																																																																													
			down	-0.005																																																																																																																													
Insulation	Material	HDPE																																																																																																																															
	Diameter	1.12±0.03 mm																																																																																																																															
Screening Material	Mylar +Al/Mylar																																																																																																																																
Sheath	Thickness	0.60±0.05mm																																																																																																																															
	External O.D.	7.8±0.4 mm																																																																																																																															
	U.V Stability	U.V Resistant																																																																																																																															
	Material	LLDPE (complies RoHS)																																																																																																																															
	Color	Black																																																																																																																															
Surface Printing	Letter height	3.0±0.3mm																																																																																																																															
	Color	White																																																																																																																															
	Print error & Space	≤±0.5%, 1m																																																																																																																															
Core Color	1 White- Blue /Blue	2 White-Orange /Orange																																																																																																																															
	3 White- Green /Green	4 White- Brown /Brown																																																																																																																															
Packing	Wooden reel, 27 reels each pallet																																																																																																																																
Weight:	N.W.:19.50KGS / G.W: 22.30KGS																																																																																																																																
Packing length	305±1.5m																																																																																																																																
Rip-cord	Yes	Drain wire	Yes																																																																																																																														
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0																																																																																																																															
	Elongation(%)	≥350																																																																																																																															
	Aging Period (°C×hrs)	100°C×24h×10d																																																																																																																															
	After Aging Elongation(%)	≥300																																																																																																																															
	Cold bend(-20±2 °C) ×8×Cable O.D., No visible cracks																																																																																																																																
Electrical Characteristics (20 °C)	Delay Shew (ns/100m)	≤45																																																																																																																															
	Velocity of Propagation (%)	68																																																																																																																															
	unbalanced-to-ground capacitance (pf/100m)	max 330																																																																																																																															
	DC Resistance (Ω/100m) max	9.38																																																																																																																															
	DC Conductor Resistance Unbalance (%)	max 5.0																																																																																																																															
		Remarks: * are the reference values																																																																																																																															
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