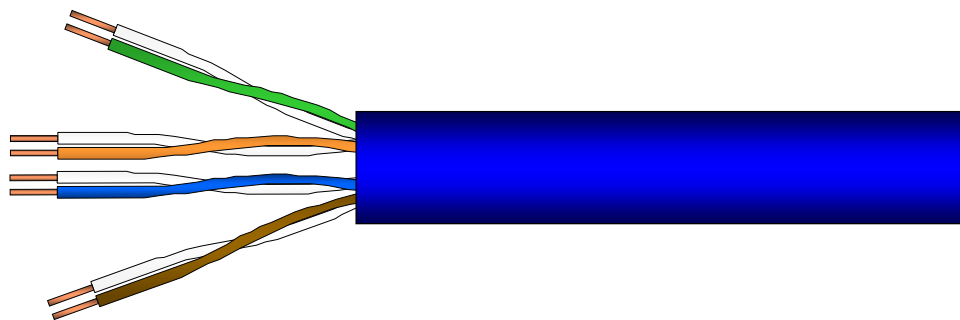
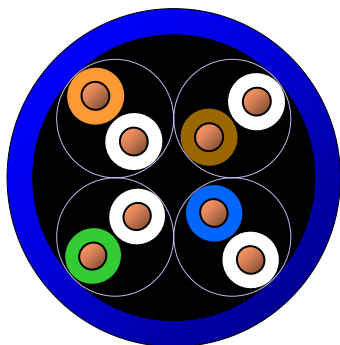


Technical Specification

Draka Comteq
(900131,900132)

Comteq Cat 5e UTP



Cabling Application

Structured Cable for Campus, Riser & Horizontal Installation
Compatible with all known Connection systems according to EN50173
Approved by BASEC 067/001/010

Applicable Standards

ISO/IEC 11801 – 2nd Edition
EN 50173; EN 50288-3-1
ANSI/TIA/EIA-568-B.2-2001
Fire Propagation Test : UL 1581 VW1;
IEC 60332.1;EN50256-2-1

Cable construction

Conductor	Bare Cu Wire	Outside Diameter of Conductor	0.50 mm
Insulator Material	PE	Outside Diameter of Insulation	0.90 mm
Number of Twisted Pairs	4	Outside Diameter of Sheath	4.75 mm
Sheath Material	PVC or LSOH	Weight PVC (OHLS)	27(31) kg/km
		Sheath Colour (OEM Specified)	Various
		Sheath Printing (up to 24 characters)	Batch No. & Metre marking

Cable Properties

Min. Installation Bend Radius	8 x Dia	Electrical Characteristics @ 20 °C	
Min. Installed Bending Radius	4 x Dia	Characteristic imped. (1-10&20-100Mhz)	100±15 Ω
Max. Installation Tension	100N	Characteristic impedance (10-20Mhz)	100±12 Ω
Max. Installed Tension	Zero	DC Conductor Loop Resistance	19 Ω/100m
Installation Temp. Range Installed	0 to 50°C	Max. Resistance unbalance	≤2%
Operating Temp. Range	-20 to 60°C	Nominal Velocity of Propagation	66%
		Nominal Capacitance	50 pF/m
		Max. Capacitance unbalance	1600 pF/km
		Insulation Resistance (500V)	≥2000 MΩ.km

Packaging

Box Sizes	'Reelex'	Reel Sizes	P3	P4
Length per Box	305 m	Length per Reel	500m	1000m
Box Dimensions (LxHxW)	350x350x225mm	Reel Dimensions	Ø400mm	Ø500mm
Weight (approx.)	10.0 kg	Weight (approx.)	18kg	33kg

Impedance



Attenuation & NEXT

