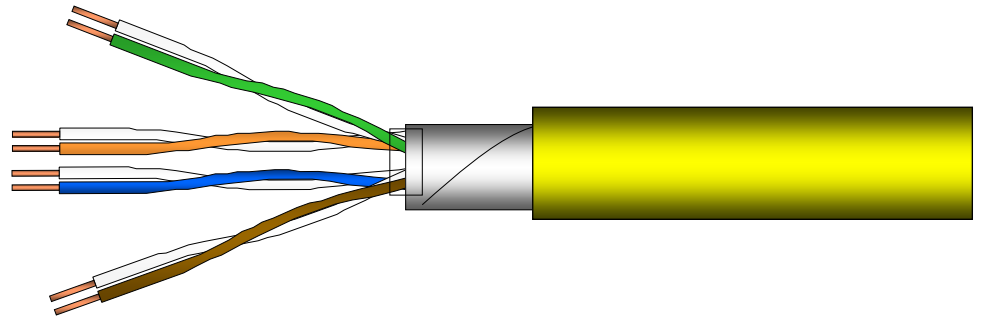
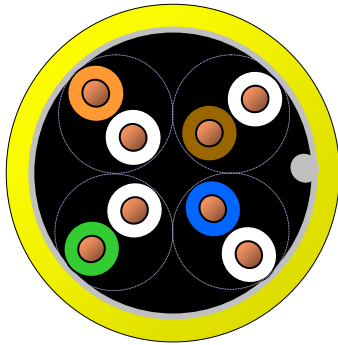


Technical Specification

Draka Comteq

Category 5e FTP



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 50288-2-1;
 ANSI/TIA/EIA-568-B.2-2001
 Fire Propagation Test : UL 1581 VW1 (PVC only)
 IEC 60332.1 EN50265-2-1

Cable construction

Conductor	Bare Cu Wire	Outside Diameter of Conductor	0.51 mm
Insulator Material	PE	Outside Diameter of Insulation	1.07 mm
Number of Twisted Pairs	4	Outside Diameter of Sheath	6.00 mm
Screen Material (Laminated Foil Tape)	Al/PE	Weight PVC (OHLS)	36.9(38.8) kg/km
Tinned Cu Drain Wire	0.4mm TinCu	Sheath Colour (OEM Specified)	Various
Binder Tape	PET	Sheath Printing (up to 24 characters)	Batch No. & Metre marking
Sheath Material	PVC or OHLS		

Cable Properties

Min. Installation Bend Radius	8 x Dia
Min. Installed Bending Radius	4 x Dia
Max. Installation Tension	100N
Max. Installed Tension	Zero
Installation Temp. Range Installed	0 to 50°C
Operating Temp. Range	-20 to 60°C

Electrical Characteristics @ 20 °C

Return Loss 20-100Mhz	>25dB
Return Loss 10-20Mhz	>28dB
DC Conductor Loop Resistance	19 Ω/100m
Max. Resistance unbalance	≤2%
Nominal Velocity of Propagation	66%
Nominal Capacitance	50 pF/m
Max. Capacitance unbalance	1600 pF/km
Insulation Resistance (500V)	≥2000 MΩ.km

Packaging

Reel Sizes	P4
Length per Reel	500m
Reel Dimensions	Ø400mm
Weight PVC (OHLS)	20 (21)kg

Impedance



Attenuation & NEXT

