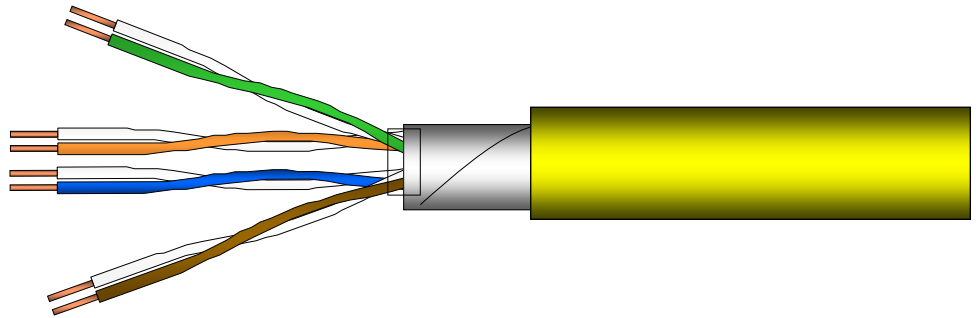
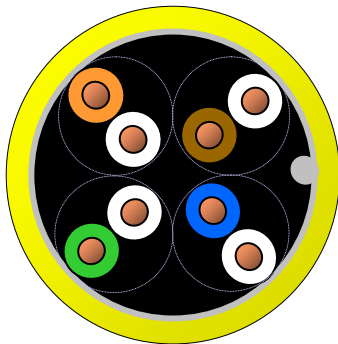


Technical Specification

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
Insulator Material
Number of Twisted Pairs
Screen Material (Laminated Foil Tape)
Tinned Cu Drain Wire
Binder Tape
Sheath Material

Bare Cu Wire
PE
4
Al/PE
0.4mm TinCu
PET
PVC or OHLS

Outside Diameter of Conductor
Outside Diameter of Insulation
Outside Diameter of Sheath
Weight PVC (OHLS)
Sheath Colour (OEM Specified)
Sheath Printing (up to 24 characters)

0.51 mm
1.07 mm
6.00 mm
36.9(38.8) kg/km
Various
Batch No. & Metre marking

Cable Properties

Min. Installation Bend Radius
Min. Installed Bending Radius
Max. Installation Tension
Max. Installed Tension
Installation Temp. Range Installed
Operating Temp. Range

8 x Dia
4 x Dia
100N
Zero
0 to 50°C
-20 to 60°C

Electrical Characteristics @ 20 °C

Return Loss 20-100Mhz
Return Loss 10-20Mhz
DC Conductor Loop Resistance
Max. Resistance unbalance
Nominal Velocity of Propagation
Nominal Capacitance
Max. Capacitance unbalance
Insulation Resistance (500V)

>25dB
>28dB
19 Ω/100m
≤2%
66%
50 pF/m
1600 pF/km
≥2000 MΩ.km

Packaging

Reel Sizes
Length per Reel
Reel Dimensions
Weight PVC (OHLS)

P4
500m
Ø400mm
20 (21)kg

Impedance



Attenuation & NEXT

