

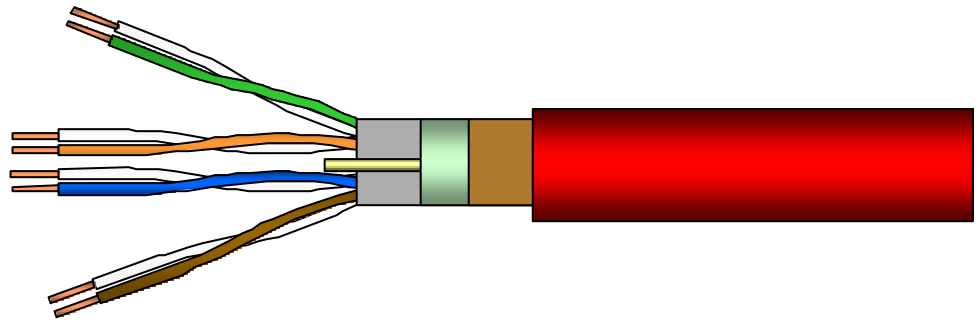
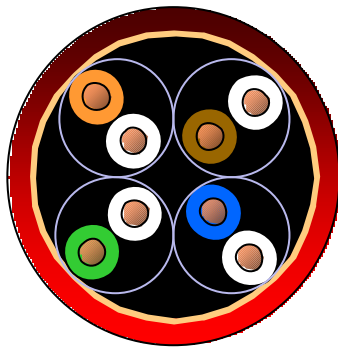


Technical Specification

Draka UK

Firetuf Data 910245

Cardinal Cables



Cabling Application

Circuit integrity Structured Wiring Alarm Cable
Compatible with all known Connection systems
according to EN50173
Patent Protected Design

Applicable Standards

Generally to ISO/IEC 11801:1995; EN 50173 EN 50288-2-1
Fire Propagation Test : UL 1581 VW1; IEC60332.3;
Cct Integrity tests: IEC 60331; BS5839: 2002 inc clause 26.2e ; BS 6387

Cable construction

Conductor
Insulator Material
Number of Twisted Pairs
Glass Tape
Screen Material
Braid
Sheath Material

Bare Cu Wire
PE/Sil Rbr
4
fibre
Ali/Mylar
TCWB
OHLS

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

0.63 mm
1.70 mm
10.45 mm
122 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

Structural Return Loss SRI
Characteristic impedance @ 10MHz
DC Conductor Loop Resistance
Max. Resistance unbalance
Nominal Velocity of Propagation
Max. Capacitance unbalance
Insulation Resistance (500V)

>IEC dB
100±50
19 O/100m
=2%
57%
1600 pF/km
=5000 MO.km

Fire tests IEC331 & 60212; BS6387; BS5839

Continued Data Operation @ 950°C
BS5839 3 in 1 Voltage and Data
Smoke test

>2 Hours
Passed
Passed

SRI

ACR

