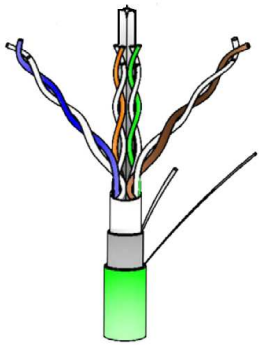
3M™ F/UTP Category 6 Cables
VOL-6FL4 D –xxx S



24AWG F/UTP 4-Pairs Cat.6 Solid Wire Cable

1. Product Description

3M™ Category 6 F/UTP 4-Pairs Cable enables deployment of shielded Category 6 / Class E systems in the extended IEC flammability range acc. Tot CPR Euro-Class **D_{ca}**. The cable supports high bandwidth applications operating at 1.2 Gbit/s. The cable is round, which simplifies jack assembly and cable management.

2. Applications

IEEE 802.3: 10Base-T; 100Base-TX; 1000Base-T
IEEE 802.5: ATM LAN 1.2 Gbit/s
IEEE 802.3af – PoE / IEEE 802.3at – PoE+
ISO/IEC 11801 2nd ed. / EN 50173-1 / TIA-568-C.2

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3. Typical Properties

Conductor Diameter	**AWG 24**
Insulation Diameter	**PE Ø 1.14 +/-0.05 mm**
Separator	**Non-metallic cross separator**
Cable assemblies	**1x4 pairs**
Sheath Material	**LSOH**
Jacket Color	**Green other per request**
Weight (max)	**50 Kg/km**

3.1 Mechanical Features

Cable outer diameter (max)	**7.30 +/-0.3 mm**
Bending Radius Dynamic (installation): Static (installed):	 **≥ 8x outer diameter** **≥ 4x outer diameter**
Temperature Range: In service: Installation/Transport/Storage:	 **-10°C to + 60°C** **0°C to + 50°C**

3.2 Electrical Features (@ 20°C ± 5°C)

Conductor DC Resistance (max)	**9.38 Ω / 100m @ 20°C**
Resistance Unbalance (max)	**2 % @ 20°C**
Insulation Resistance (500 V)	**5000 MΩ.km @ 20°C**
Test Voltage (DC, min)	**1 kV / 1 min**
Capacitance Unbalance (max) (pair to ground)	**330 pf / 100m @ 1 KHz**
NVP (nominal)	**65%**

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4. User Information

Fire Rating: Europe

Euroclass	Standards	Declaration of performance	
Dca-s1a,d0,a1	IEC 60332-1 EN 50399 IEC 60754-2 EN 61034-2	go.3m.com/CPR4	06FU4DS00*

Fire Rating: Outside Europe

No flame propagation	IEC 60332-1
Low smoke opacity	IEC 61034-2
Low gas corrosivity	IEC 60754-2
Low toxicity	IEC 60754-1

Directive

RoHS	REACH	Low Voltage (LVD)
2011/65/EU	1907/2006/EC	2014/35/EU

The electrical and mechanical features are following the standards below**:**

Cable	Cabling System
EN 50288-5-1 IEC 61156-5	ISO/IEC11801 ed.2 EN 50173-1 TIA-568-C.2

5. Additional Information

To request additional product information see address below.

***DoP document available on 3M web page from middle of April 2018.**

Important Notice

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Values presented have been determined by standard test methods and are average values not meant to be used for specification purposes.

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