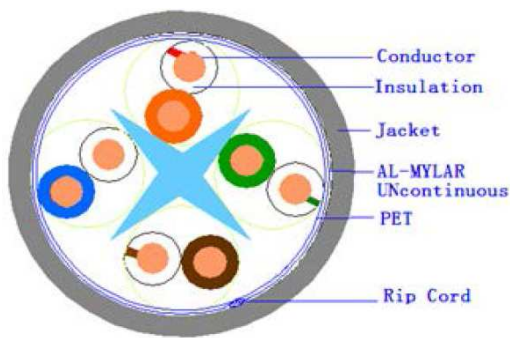




3M™ U/UTP Category 6A Cables

VOL-6AUL4 C –xxx S



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

1. Product Description

3M™ Category 6A U/UTP 4-Pairs Cable enables deployment of shielded Category 6A / Class EA stems in the extended IEC flammability range acc. To CPR Euro-Class B2ca. The cable supports high bandwidth applications operating at 10 Gbit/s. The cable is round, which simplifies jack assembly and cable management.

2. Applications

IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T; 2,5GBase-T ; 5GBase-T ; 10GBase –T

ATM LAN 10 Gbit/s

IEEE 802.3af – PoE / IEEE 802.3at – PoE+

ISO/IEC 11801 2nd ed. / TIA-568-C.2

3. Typical Properties

Conductor Diameter	AWG 24
Insulation Diameter	PE Ø 1.14 +/-0.1 mm
Separator	Non-metallic cross separator
Cable assemblies	1x4 pairs
Sheath Material	LSOH
Jacket Color	Green other per request
Weight (max)	48.2 Kg/km

3.1 Mechanical Features


Cable outer diameter	7.30 +/-0.3 mm
Bending Radius	
Dynamic (installation):	≥ 8x outer diameter
Static (installed):	≥ 4x outer diameter
Temperature Range:	
In service:	-20°C to + 60°C
Installation/Transport/Storage:	0°C to + 50°C
Max. pulling tension	100 N

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

Conductor DC Resistance (max)	9.5 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%
Coupling Attenuation @100MHz	≥ 55 dB Type II

4. User Information

Fire Rating: Europe

Euroclass	Standards	Declaration of performance	
Cca-s1a,d0,a1	IEC 60332-1 EN 50399 IEC 60754-2 EN 61034-2	 go.3m.com/CPR4	6AUU4CS00*

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

IEC 61156-5
TIA-568-C.2

Cabling System

ISO/IEC11801 ed.2
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

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluates the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application.

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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