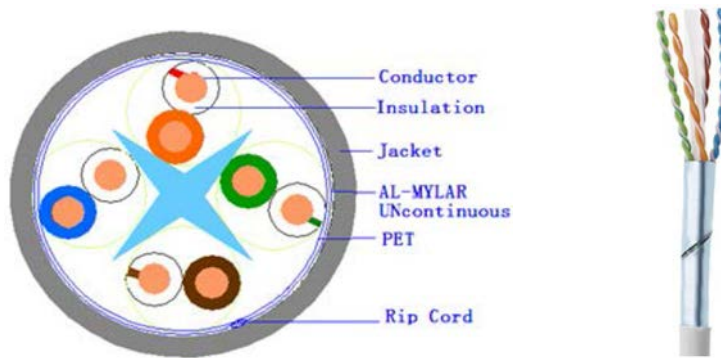


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3M™ U/UTP Category 6 Cables VOL-6UL4 C –xxx S



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

1. Product Description

3M™ Category 6 U/UTP 4-Pairs Cable enables deployment of shielded Category 6 / Class E systems in the extended IEC flammability range acc. To CPR Euro-Class **C_{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 802.3an: 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

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	06UU4CS00*

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

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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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3M Communication Markets Division

3M D-A-CH Region
3M Deutschland GmbH,
Carl-Schurz-Strasse 1 | D-41453 Neuss
www.3M.com

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