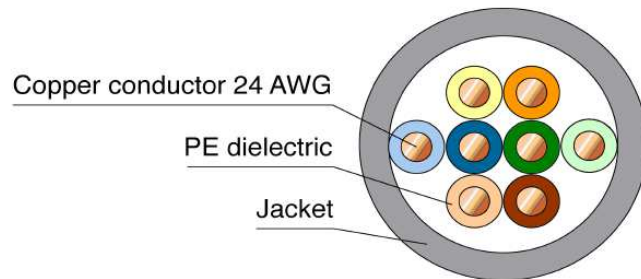




3M™ U/UTP Category 5e Cables VOL-5EUL4 / VOL-5EUP4



24AWG U/UTP 4-Pair Cat.5e Solid Wire Cable

1. Product Description

3M™ Category 5e U/UTP 4-Pair Cable enables deployment of unshielded Category 5e / Class D systems. The cable supports high bandwidth applications operating at 1.0 Gbit/s. The cable is round, which simplifies jack assembly and cable management.

2. Applications

IEEE 802.3: 1000BASE-T; 100BASE-TX; 10BASE-T

IEEE 802.5 / 155 / 622 Mb/s ATM

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

ISO 11801 2nd ed. / EN 50173-1 / TIA-568-C.2

3M Communication Markets
Division

Reference: 07.401-50000#0
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Supersedes NEW

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

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3. Typical Properties

Conductor Diameter	0.50 +/-0.015 mm (AWG 24)
Insulation Diameter	PE Ø 0.90+/-0.05 mm
Separator	None
Cable assemblies	1x4 pairs
Sheath Material	LSZH or PVC
Jacket Color	Green other per request
Weight (max)	28 kg/km

3.1 Mechanical Features


Cable outer diameter	4.9+/-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	110 N

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

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)	160 pf / 100m @ 1 KHz
NVP (nominal)	67 %

4. User Information

Fire Rating: Europe

Euroclass	Standards	Declaration of Performance (DoP)	
Eca	EN 60332-1 EN 50399 EN 60754-2 (LSZH) EN 61034-2 (LSZH)	 go.3m.com/CPR3	5EUU4LT00
			5EUU4PT00

Fire Rating: Outside Europe

No flame propagation	IEC 60332-1
Low smoke opacity	IEC 61034-2 (for LSZH version)
Low gas corrosivity	IEC 60754-2 (for LSZH version)
Low toxicity	IEC 60754-1 (for LSZH version)

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

EN 50288-3-1
IEC 61156-5

Cabling System

ISO/IEC11801 ed.2
EN 50173-1
TIA-568-C.2

5. Additional Information

To request additional product information see address below.

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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