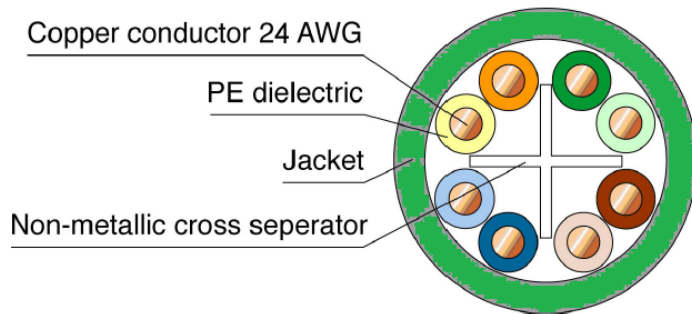


3M™ Volition™ U/UTP Category 6 cables VOL-6UP4 / VOL-6UL4



3M™ Volition™ Category 6 U/UTP Cable (with cross-shaped separator) offer the possibility to deploy unshielded Category 6/Class E systems when installed with 3M™ Volition™ K6 RJ45 Jacks.

- Conductor Diameter:
AWG 24 (Ø 0.525 +/- 0.015mm)
- Insulation Diameter:
PE Ø 0.95 +/- 0.05 mm
- Cable assemblies: pairs
- Sheath material: PVC or LS0H
- Colour: green or white

Mechanical Features

Maximum cable diameter	(mm)	5.40 +/- 0.30
Bending Radius	(mm)	
	Dynamic (installation) / Static (installed)	≥ 8x outer diameter / ≥ 4x outer diameter
Temperature Range	In service / Installation, Transport and Storage	-20°C +60°C / 0°C +50°C

Electrical Features at 20°C

DC Resistance	max 9.38 Ω/100m
Resistance Unbalance	≤ 2 %
Insulation Resistance (500 V)	≥ 5000 M Ω/km
Mutual capacitance	nom. 5.1 nf / 100 m at 1 kHz
Test Voltage (DC, 1 min)	1 kV / 1m
Capacitance Unbalance (pair to ground)	max. 160 pf / 100 m at 1 kHz
VPN (nominal)	67%

Standards

Cables	Cabling System Standard	Fire Rating
IEC 61156-5 ed. 2 ANSI/TIA 568-C.2	ISO/IEC11801 ed.2	LSZH: IEC 60332-1 PVC: IEC 60332-1

Applications

IEEE 802.3: 1000Base-T; 100Base-T; 10Base-T
IEEE 802.5 : 4/6 Mbps Token Ring
155 / 662 Mbps ATM
Gigabit Ethernet

Ordering Information



3M™ Volition™ Category 6 U/UTP Cables

305m box, PVC, green
305m box, LSOH, green
305m box, LSOH, white
500m drum, LSOH, white
1000m drum, LSOH, green

Ref. No.

VOL-6UP4-305
VOL-6UL4-305
VOL-6UL4-305W
VOL-6UL4-500W
VOL-6UL4-1000

Important Notice

The details contained in this literature have been carefully prepared from information available to 3M at the time of its production. However, it is not intended to be relied upon for purposes of product specification and you should contact your sales representative if specification details are required. Because of the wide variety of processes and conditions in which these products may be used, the user should first carry out tests to determine the suitability of the products for the particular use intended. All questions of warranty and liability relating to 3M products are governed by the selling 3M subsidiary's Terms of Sale subject where applicable to the prevailing law.
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