

UC300 24 Cat 5e U/UTP

Standard, Solid

Construction

Conductor	Bare copper wire \varnothing 0.5 mm (AWG24)
Insulation	PE, \varnothing 0.9 mm
Sheath	PVC, LSZH and PE
Sheath colour	PVC : Grey; LSZH : Grey ; PE : Black
Outer Diameter	Nom. 4.8 mm
Weight	28 kg /km

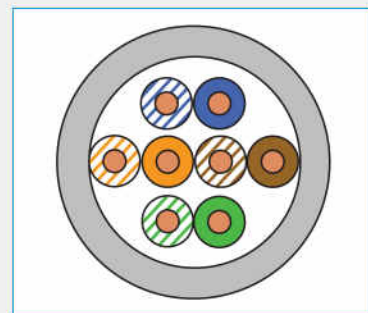
Mechanical properties

Minimum bending radius Installation	4 x Diameter
Maximum tensile load, Installation	Nom. 100 N
Maximum tensile load, Installed	No stretch
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

Electrical properties at 20°C

Characteristic impedance (1-130 MHz)	(100 \pm 15) Ω
Mean Characteristic impedance 100 Mhz	(100 \pm 5) Ω
DC-loop resistance	Nom. 170 Ω /km
Resistance unbalance	\leq 2 %
Propagation Delay	\leq 800 ns /km
Skew, maximum at 100MHz	\leq 200 ns /km
Mutual capacitance	Nom. 47 pF/m
Capacitance unbalance (pair to ground)	\leq 300 pF /km
Nominal velocity of propagation (NVP)	Nom. 69%

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Standards

EIA/TIA 568C;

ISO/IEC 11801 2nd ed.; IEC 61156-5

EN 50173; EN 50288-3-1

Flame resistance

PVC IEC 60332-1

LSZH IEC 60332-1; IEC 60754;

IEC 61034

LSFRZH IEC 60332-3C;

Outer Sheath

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011062	52004	UC 300 Cat 5e UTP 24 AWG PVC	305m/box
60026275	52026	UC 300 Cat 5e UTP 24 AWG LSZH	305m/box
60010244	52034	UC 300 Cat 5e UTP 24 AWG PE, Outdoor	500m/reel
TBA	52048	UC 300 Cat5e UTP 24 AWG LSFRZH	305m/box