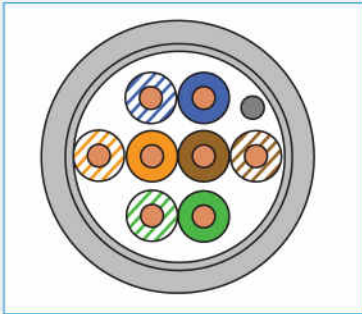


UC300 24 Cat 5e F/UTP

Standard, Solid



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 60332-3-24

Construction

Conductor	Bare copper wire Ø 0.5 mm (AWG24)
Insulation	PE, Nom. Ø 1.04 mm
Sheath	PVC; alternatives LSZH and PE
Sheath colour	PVC : Grey; LSZH : Grey; PE : Black
Screen	Al-laminated plastic foil, drain wire AWG 26 tinned
Outer Diameter	Nom. 5.9 mm

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 ± 15) Ω
Mean Characteristic impedance 100 Mhz	(100 ± 10) Ω
DC-loop resistance	Nom. 170 Ω /km
Resistance unbalance, maximum	≤ 2 %
Propagation Delay, minimum margin to limit	Nom. 800 nsec /km
Delay Skew, maximum at 100MHz	Nom. 200 nsec /km
Return Loss (1-100MHz) min	≥ -23 dB
Mutual capacitance	Nom. 52 pF /km
Capacitance unbalance, maximum	≥ 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.

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011026	53025	UC 300 Cat 5e F/UTP 24 AWG PVC, Indoor	305m/box
60011534	53041	UC 300 Cat 5e F/UTP 24 AWG LSZH, Indoor	305m/box
TBA	53035	UC 300 Cat 5e F/UTP 24 AWG PE, Outdoor	500m/reel
TBA	53048	UC 300 Cat 5e F/UTP 24 AWG LSFRZH	500m/reel