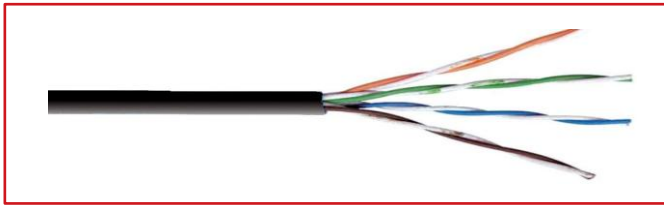


UTP CABLE CAT.6 PE OUTDOOR



APPLICATION

- Installation cable for outdoor use in structured cabling systems.
- Suitable for all applications Class E like:
 - ISDN
 - Ethernet 10 BaseT
 - Fast Ethernet 100 BaseTX
 - Gigabit Ethernet 1000 BaseT
 - Token Ring 4/16 Mbit/s
 - ATM 155 Mbit/s
 - VoIP (Voice over IP)
 - PoE (Power over Ethernet)

STANDARDS

- ISO/IEC 11801 (2002)
- EN 50173 (2002)
- EN 50288-6-1

CHARACTERISTICS

Insulated Conductors:	8 conductors, twisted in 4 pairs
Basic Conductor:	Solid copper wire AWG23/1
Insulation:	HDPE, Diameter 0,91 mm (nom.)
Individual Shield:	None
Overall Shield:	None
Wrap:	Cotton PaperOuter
Outer Jacket:	LDPE
Outer Jacket Thickness:	0,50 mm (nom.)
Outer Diameter:	6,5 mm
Colour:	Black
Colours of conductors:	Pair 1 Blue – White/Blue Pair 2 Orange – White/Orange Pair 3 Green – White/Green Pair 4 Brown – White/Brown

TECHNICAL DATA

Operating temperature range:	-10°C to +60°C
Storage temperature range:	-20°C to +60°C
Installation temperature range:	+ 0°C to +50°C
Minimum Bending Radius – Permanent:	4x Outer Diameter
Minimum Bending Radius – Installation:	8x Outer Diameter
Pulling Force:	max. 90 N
Total Weight:	30 kg/km (nom.)
Capacity:	max. 56 pF/m
DC Resistance:	max. 93,8 Ohm/km
Velocity of Propagation NVP:	0.69 c (nom.)
SKEW:	max. 45 ns/100m (1-100 MHz)
Characteristic Impedance:	100 ± 15 Ohm (1-125 MHz)

RoHS

- Conforms to EU Directive 2002/95/EC

ELECTRICAL CHARACTERISTICS AT 20°C

Attenuation

Frequency	4	10	16	20	31,25	62,5	100	150	200	250	MHz
Typical	3,8	6,0	7,6	8,5	10,7	15,5	19,9	25,3	29,2	33,0	dB/100m

NEXT (Near End Crosstalk)

Frequency	1	4	10	16	20	31,25	62,5	100	150	200	250	MHz
Typical	66	65	59	56	55	52	47	44	41	40	38	dB

Power Sum NEXT

Frequency	1	4	10	16	20	31,25	62,5	100	150	200	250	MHz
Typical	64	63	57	54	53	50	45	42	39	38	36	dB

PACKAGING

- Plastic drum inside a box
- 305 m length per box