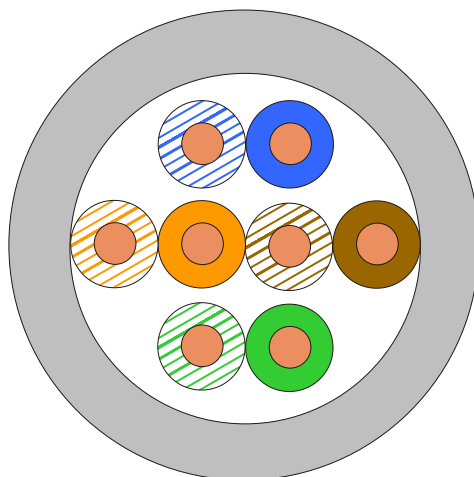


## Product information

BKT 275 cat.5e U/UTP Installation cable

Class D



## 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

ANSI/EIA/TIA 568C.2  
ISO/IEC 11801 2-nd ed.; IEC 61156-5  
EN 50173; EN 50288-3-1  
ROHS

## Flame resistance

PVC: IEC 60332-1  
LSHF(LSOH): IEC 60332-1; IEC 60754-2; IEC 61034  
UL 444CM

## Construction

<b>Conductor</b>	bare copper wire $\varnothing$ 0.5 mm (AWG24)
<b>Insulation</b>	Polyethylene, $\varnothing$ 0.9 mm
<b>Twisting</b>	2 cores to the pair
<b>Cable lay up</b>	4 pairs to the core
<b>Sheath</b>	PVC alt. LSHF (FRNC, LSOH), grey RAL 7035

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## Mechanical properties

Minimum Bending radius	Installation	8 x D
	Installed	4 x D
Temperature range	during operation	-20°C up to +70°C
	during installation	0°C up to +60°C

## Electrical properties

at 20°C

Conductor Loop Resistance @ 20°C		max. 9.38 Ω/km
Resistance unbalance		≤ 5%
Insulation resistance	(500V)	min 5000 MΩ x km
Capacitance unbalance	(pair to ground)	≤ 330 pF/km @ 1kHz
Characteristic impedance	(1-100Hz)	100Ω ± 5Ω
Nominal velocity of propagation		70%
Propagation delay		≤ 570 ns/100m
Delay skew		≤ 45 ns/100m
Test voltage	(DC, 1min) core/core	1000V
Coupling attenuation		≥ 55 dB

## Technical data

Product code DR@KOM	Designation	Product name	Outer diameter	Fire load		Weight	Tensile force
			Mm	Mj/km	KWh/m	kg/km	N
10150003.305	J.2YY 4x2x0.5	BKT275 24 Cat.5e U/UTP 4P PVC	5.0	365	0,101	35	110N
10150403.305	J.2YY 4x2x0.5	BKT275 24 Cat.5e U/UTP 4P LSHF	5.0	336	0,093	36	110N