



## SCS5EU Cat.5e cable U/UTP 4 pairs AWG24/1 LSZH Indoor



### Standards of reference and applications

ISO/IEC 11801, TIA 568-C.2, UL444, UL1581, UL1666

Ethernet 10 BASE-T, 100 BASE-T, 100 BASE-TX, 155 Mbit ATM, 625 Mbit ATM

### Installation Features

**Store at** -0 to +70 °C

**Install at** -0 to +50 °C

**Operate at** : -10 to +60 °C

**Bend minimum** : 10 times O.D.

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**Pull maximum** : 40N

### Design

**Conductor** : solid bare copper AWG24 (0.50mm)

**Insulation** : polyethylene 0.90 ± 0.01 mm

**Pair** : 2 insulated conductors stranded together

**Colour code** : 1.White/blue 2.White/orange 3. White/green 4.White/brown

**Assembling** : no 4 pairs assembled together

**Outer jacket** : grey LSZH material

**Marking** : APS Finland - ww/yy - U/UTP 4x2x24AWG Category 5e LSZH - 100Ohm - ISO/IEC 11801 - lot + meter

## Environmental properties and Fire Performances

**Degree of acidity of gases** : IEC 60754-1, IEC 60754-2

**Halogen acid gas** : IEC 60754-1, IEC 60754-2

**Smoke Emission** : IEC 61034-2, EN 50268-2

**Toxicity of evolved gas** : EN 50305 9.2

**Flame retardant** : EN 60332-1-2

**CPR Class (CE)** : Class Eca

## Electrical characteristics

**Resistance of the conductor @ 20°C** :  $\leq 95 \Omega/\text{km}$

**Mutual Capacitance** : 50 pF/m (cond/cond)

**Capacitance unbalance** : 1600 pF/km (p/p @ 1KHz)

**Average characteristic impedance** :  $100 \pm 15 \Omega @ 100\text{MHz}$

**Velocity of propagation (NVP)** : 66%

<b>Frequency (MHz) :</b>	<b>1</b>	<b>4</b>	<b>10</b>	<b>16</b>	<b>20</b>	<b>31.25</b>	<b>62.5</b>	<b>100</b>	<b>155</b>	<b>200</b>
Attenuation (dB/100m)	2.0	4.1	6.5	8.2	9.3	11.7	17.0	22.0	25.0	30.0
NEXT (dB)	65.3	56.3	50.3	45.8	44.3	42.9	38.4	35.3	34.0	32.0
ELFEXT (dB)	63.8	51.8	43.8	39.7	37.8	35.8	33.9	23.8	21.7	19.9
Return Loss	20	23	25	25	25	23.6	21.5	20.1	19.0	18.0
ACR (dB/100m)	78.1	71.3	64.4	60.8	57.1	49.7	41.6	31.8	25.1	17.8

## Ordering and delivery information

<b>Pair count</b>	<b>P/N</b>	<b>O.D [mm]</b>	<b>Weight [kg/km]</b>	<b>Packaging</b>
4 pairs	W5U5042M0S30	5.2	30.5	305m / 1000ft box

## Recommended connectivity

**Keystone jack** : MJ5EUK

**RJ45 plug** : RJ45U6PL241 / RJ45U6BL241

**Panel** : PPE24SU

**Patchcords** : PCMJ5EU\_