

# UC<sup>FUTURE</sup> COMPACT22 Cat8.2 S/FTP 2000MHz

Standard, Solid, LSFRZH

## Construction

<b>Conductor</b>	Bare copper wire Ø 0.64 mm (AWG22)
<b>Insulation</b>	Foam-Skin Polyethylen, Ø 1.6 mm
<b>Twisting</b>	2 cores to the pair
<b>Cable lay up</b>	4 pairs
<b>Pair screen</b>	Al-laminated plastic foil around each pair
<b>Overall screen</b>	Copper braid, tinned
<b>Sheath</b>	Halogen free, fire retardant sheathing material; LSFRZH acc. EN50289-2-27, yellow RAL 1021
<b>Outer diameter</b>	Nom. 8.5 mm
<b>Weight</b>	Nom. 80 kg/km
<b>Tensile force</b>	340

## Mechanical properties

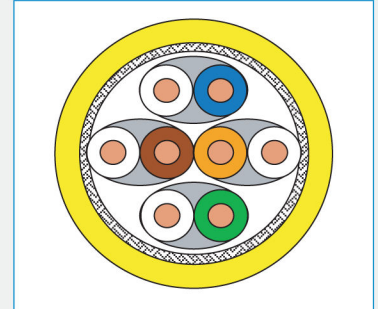
<b>Bending radius</b>	Installation	4 x D
	Installed	8 x D
<b>Temperature range</b>	During operation	-20°C to + 60°C
	During installation	0°C to + 50°C

## Electrical properties

<b>DC loop resistance</b>		≤ 130 Ω/km	
<b>Resistance unbalance</b>		≤ 1%	
<b>Insulation resistance</b>	(500 V)	≥ 5000 MΩ*km	
<b>Capacitance</b>	at 800 Hz	Nom. 43 nF/km	
<b>Capacitance unbalance</b>	(pair/ground)	≤ 1200 pF/km	
<b>Mean Characteristic impedance</b>	@ 100 MHz	100 ± 5 Ω	
<b>Nominal velocity of propagation</b>		Nom. 73%	
<b>Delay skew</b>		20 ns/100 m	
<b>Transfer impedance</b>	1 MHz	5 mΩ / m	Grade 1
	10 MHz	5 mΩ / m	Grade 1
	30 MHz	10 mΩ / m	Grade 1
	100 MHz	20 mΩ / m	Grade 1
<b>Coupling attenuation</b>		85 dB	Type 2
<b>Segregation classification acc. EN 50174-2</b>		„D“	

## Ordering Information

SAP IC	UC P/N	Product Description	P.U
60030331	98048	UC <sup>FUTURE</sup> COMPACT22 Cat.8.2 S/FTP 4P 2000MHz LSFRZH	500m/reel



## Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)  
IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, 10GBase-T; 40GBase-T  
ISDN, TPDDI, ATM, CATV, Breitband-Video, SOHO-Cabling  
Power over Ethernet

## Standards

EN 50173-1; ISO/IEC 11801; EN 50288-9-1;  
IEC 61156-5; IEC 61156-9 (46C/989/CD)  
PoE: IEEE 802.3af; IEEE 802.3at;  
IEEE 802.3bt

## Flame resistance

LSFRZH IEC 60332-3-24