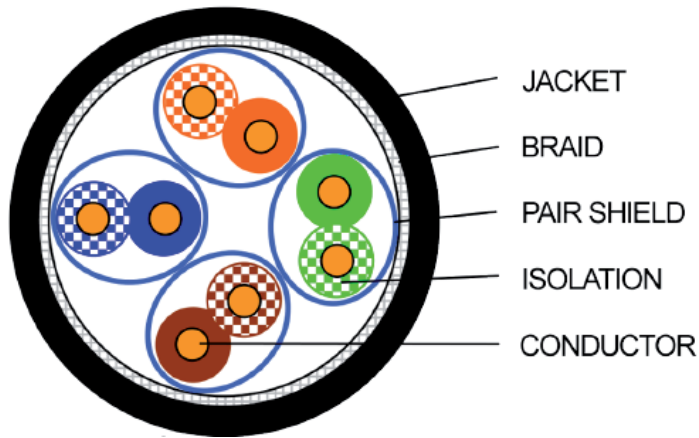


# TTLan™ UltraFlex HDBaseT™ 5Play™ Specialcable

## S/FTP CAT.7 1000MHz 4x2xAWG 23/1 FRNC soft



### Transmission Performance

f in MHz	Attenuation (dB/100M) nom.	NEXT (dB) nom.	ACR (dB/100m) nom.	ELFEXT (dB/100m) nom.	RL (dB) nom.
1	1.8	105	103	95	25
4	3.3	105	102	93	28
10	5.3	105	100	92	30
16	6.7	105	98	91	32
20	7.5	105	97	90	34
31.25	9.6	105	95	86	35
62.5	13.8	103	89	82	34
100	17.3	100	93	77	33
155	22.6	99	76	73	30
200	24.8	98	73	70	29
300	30.7	97	66	67	27
400	35.8	96	60	64	26
500	39.7	93	53	62	24
600	44.2	90	46	60	23
800	50.8	88	37	56	22
900	56.0	85	29	53	21
1000	59	82	23	50	20

### Construction

Conductor	AWG 23/1, bare
Insulation	SFS-PE
Diameter	1.37±0.02 mm
Colour code	IEC 708-1
Shielding Pairs	Platic laminated aluminium foil
Shielding	Copper Wire 0.10
Jacket	Halogen free compound (Shore D43)
Colour	black, RAL 9005
Diameter	7.6±0.2mm

### Mechanical Data

Temperature Range fixed during installation	-30°C to +70°C
Bending radius	8 x Diameter during installation 4 x Diameter fixed
max. Tractive force	105N

### Chemical Properties

RoHS 2011/65/EU

### Electrical Data

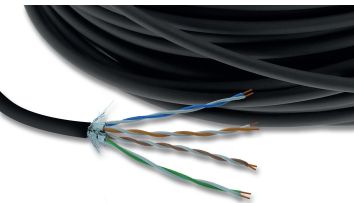
Loop resistance	max. 150 Ohm /km
Insulation resistance	min. 5 GOhm x km at 20°C
Operating capacity	nom. 45 nF / km
Char. Impedance at 100 MHz	100 Ohm ± 5 Ohm
Test voltage	700V / AC
Velocity of propagation	app. 0.79 c
Single Term	max. 425 ns/100m
Running time difference	< 8 ns/100m
Coupling attenuation	> 801dB
Transfer impedance	< 8 mOhm/m at 10MHz
Separating class	D

### Applications

IEEE802.3: Ethernet 10Base-T; Fast Ethernet 100Base-T; GigABIT eTHERNET 1000Base-T; 10GBase-T  
IEEE 802.5: ISDN; FDDI; ATM; Cable sharing  
IEEE 802.3at: PoE, PoE+, PoH up to 100W  
VIDEO-,AUDIO-, CONTROL SIGNALS

### Standards

EN 50288-4-1; EN 50173; ISO/IEC 11801 2. Ausgabe; IEC 61156-5  
EN 60332-1-2; EN 60332-3-24; EN 61034; EN 50267; IEC 60754-2; IEC 61034



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Installation/Patch cable S/FTP CAT7 HDBaseT 5Play Specialcable 4x2xAWG23/1 Ultraflex			