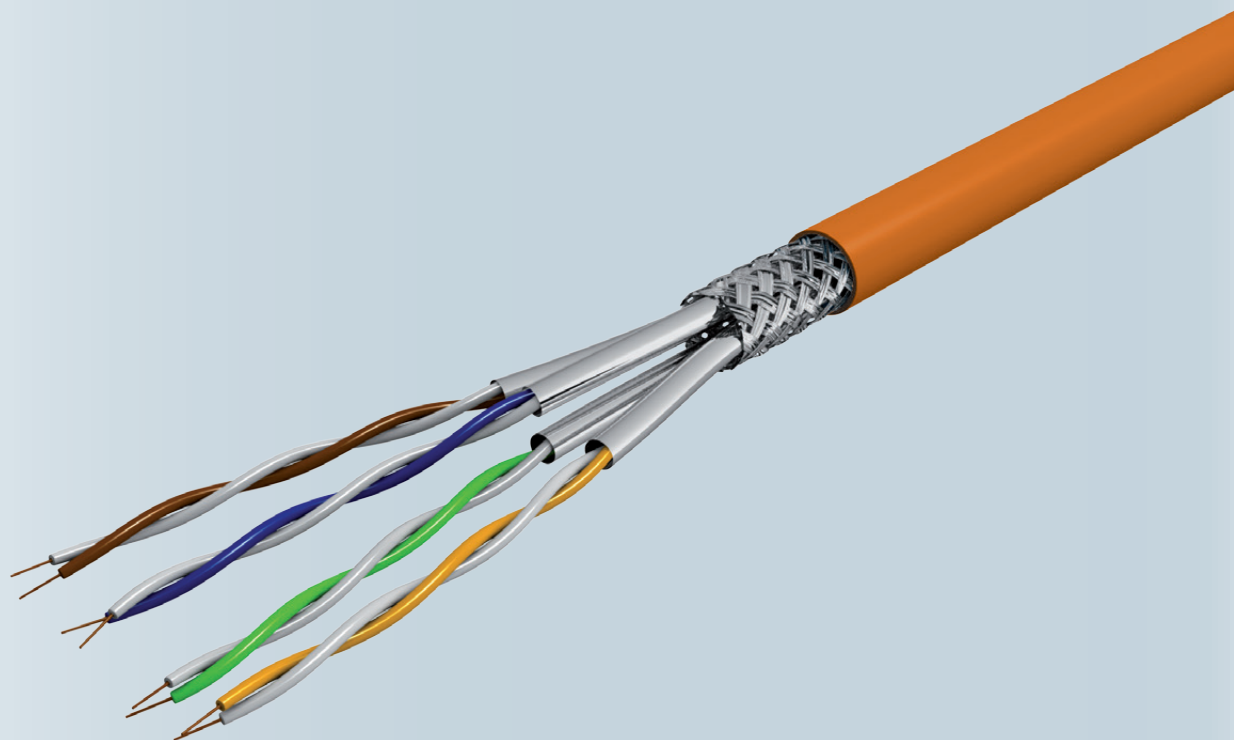


# 3

## Cu Data cable

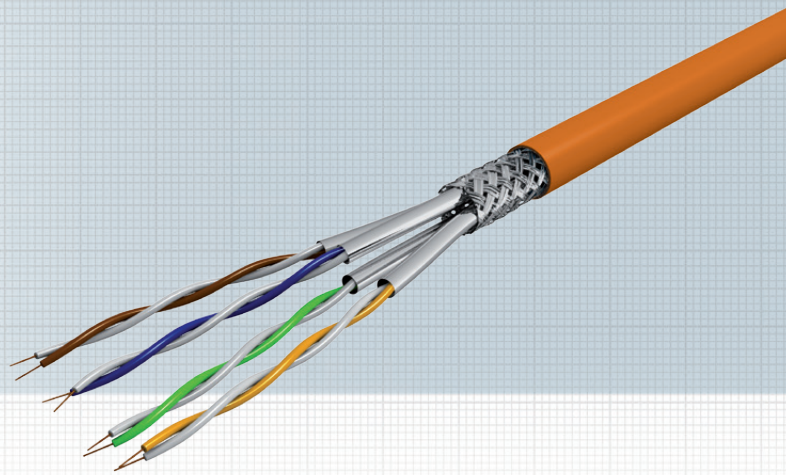


## 03 Cu Data cable Contents

• Data cable EasyLan Gold S/FTP AWG22/1 1200 MHz Cat.7 <sub>A</sub>	78
• Data cable EasyLan Silver S-FTP AWG23/1 1200MHz Cat.7	80
• Data cable EasyLan Bronze S-FTP AWG23/1 1000MHz Cat.7	82

# Cu Data cable

# Data cable EasyLan Gold S/FTP AWG22/1 1200MHz Cat.7<sub>A</sub>



## Applications:

Datatable for transmission of analogue and digital signals for cabling within primary, secondary and tertiary area. For applications up to class F<sub>A</sub> (1000MHz).

## Mechanical Data:

Temperatur Range fixed during installation	-20°C to +60°C 0°C to +50°C
Bending radius	8 x Diameter during installation 4 x Diameter fixed
max. tractive force	120N
weigth	68kg/km

## Applications:

IEEE 802.3 : 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+ compatible

## Standards:

EN 50288-4-1; EN 50288-9-1; EN 50173; EN 50174-2;  
ISO/IEC 11801 2. Edition; IEC 61156-5  
EN 60332-1-2; EN 60332-3-24; EN 61034; EN 50267; IEC 60754-2;  
IEC 61034

## Chemical Properties:

RoHS 2011/65/EU; IEC 60811-2-1 (IRM 902, 4h at 70°C)  
Brandlast 0.18 kWh/m

## Electrical Data:

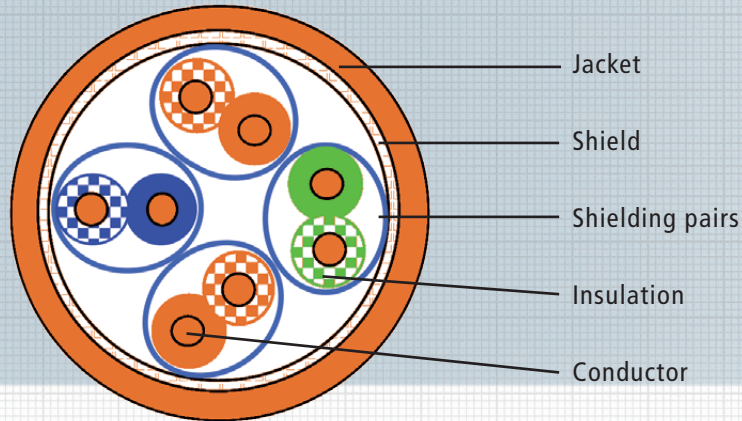
Loop resistance	max. 120 Ohm / km
Insulation resistance at +20°C	min. 5 GOhm x km
Capacitance unbal.	< 1600 pF / km
Char. Impedance at 100MHz	100 Ohm ± 5 Ohm
Test voltage	700V / AC
Velocity of propagation	app. 0.79 c
Signal Term	max. 425 ns/100m
Running time difference	< 8 ns/100m
Coupling attenuation	> 80 dB, Type 1B
Transfer impedance	< 10 mOhm/m att 10MHz, Grade 1
Separating class	D

## Construction:

Conductor	AWG 22/1, bare
Insulation	SFS-PE
Diameter	1.47 ± 0.02 mm
Colour code	IEC 708-1
Shielding Pairs	Plastic laminated aluminium foil
Shielding	Copper, Wire 0.10
Jacket	Halogen free compound
Colour	orange, RAL 2003
Diameter	7.9 ± 0.2 mm

## Printing Text:

Data cable EasyLan® S/FTP AWG 22/1 Cat. 7A 1200 MHz >> length and batch number <<



### Transmission Performance:

f in MHz	Attenuation [dB/100m] nom.	NEXT [dB] nom.	PSNEXT [dB] nom.	ACR [dB/100m] nom.	PSACR [dB/100m] nom.	ELFEXT [dB/100m] nom.	RL [dB] nom.
1	1,7	105	102	103	100	105	25
4	3,2	105	102	102	99	103	28
10	5,1	105	102	100	97	100	30
16	6,4	105	102	99	96	98	30
20	7,1	105	102	98	95	95	30
31,25	9,0	105	102	96	93	93	30
62,5	13,1	105	102	92	89	90	30
100	16,5	102	99	85	82	85	30
155	21,6	100	97	78	75	82	29
200	23,5	98	95	74	71	78	28
300	29,1	96	93	67	64	70	27
500	37,0	91	88	54	51	63	26
600	41,5	88	85	46	43	60	25
900	51,5	81	78	29	26	55	23
1000	54,9	80	77	25	22	52	22
1200	58,8	78	75	19	16	42	21

### Description

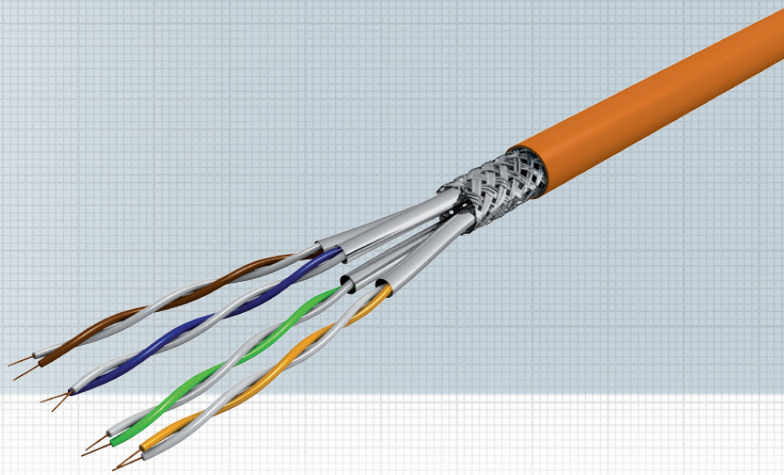
Datatable EasyLan Gold S/FTP AWG22/1 1200MHz Cat.7A

### Ordering Code

CESG1212K



# Data cable EasyLan Silver S/FTP AWG23/1 1200MHz Cat.7<sub>A</sub>



## Applications:

Datatable for transmission of analogue and digital signals for cabling within primary, secondary and tertiary area.

For applications up to class F<sub>A</sub> (1000MHz).

## Mechanical Data:

Temperatur Range fixed during installation	-20°C to +60°C 0°C to +50°C
Bending radius	8 x Diameter during installation 4 x Diameter fixed
max. tractive force	105N
weigth	60kg/km

## Applications:

IEEE 802.3: 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+ compatible

## Standards:

EN 50288-4-1; EN 50288-9-1; EN 50173; EN 50174-2;  
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

## Chemical Properties:

RoHS 2011/65/EU; IEC 60811-2-1 (IRM 902, 4h at 70°C)

Brandlast 0.17 kWh/m

## Electrical Data:

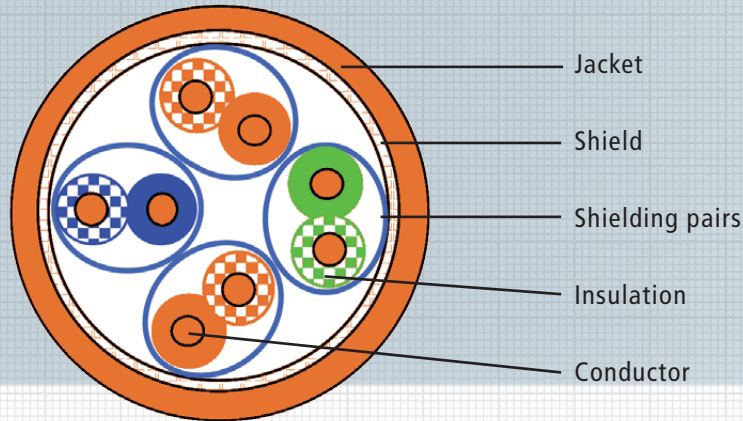
Loop resistance	max. 150 Ohm / km
Insulation resistance at +20°C	min. 5 GOhm x km
Capacitance unbal.	< 1600 pF / km
Char. Impedance at 100MHz	100 Ohm ± 5 Ohm
Test voltage	700V / AC
Velocity of propagation	app. 0.79 c
Signal Term	max. 425 ns/100m
Running time difference	< 8 ns/100m
Coupling attenuation	> 80 dB, Type 1B
Transfer impedance	< 10 mOhm/m att 10MHz, Grade 1
Separating class	D

## Construction:

Conductor	AWG 23/1, bare
Insulation	SFS-PE
Diameter	1.39 ± 0,02 mm
Colour code	IEC 708-1
Shielding Pairs	Plastic laminated aluminium foil
Shielding	Copper, Wire 0.10
Jacket	Halogen free compound
Colour	orange, RAL 2003
Diameter	7.7 ± 0.2 mm

## Printing Text:

Data cable EasyLan® S/FTP AWG 23/1 Cat. 7A 1200 MHZ >> length and batch number <<



### Transmission Performance:

f in MHz	Attenuation [dB/100m] nom.	NEXT [dB] nom.	PSNEXT [dB] nom.	ACR [dB/100m] nom.	PSACR [dB/100m] nom.	ELFEXT [dB/100m] nom.	RL [dB] nom.
1	1,8	105	102	103	100	95	25
4	3,3	105	102	102	99	93	28
10	5,2	105	102	100	97	92	30
16	6,5	105	102	98	95	91	32
20	7,3	105	102	98	95	90	34
31,25	9,3	105	102	96	93	86	35
62,5	13,4	103	100	90	87	82	34
100	16,9	100	97	83	80	77	33
155	22,0	98	95	76	73	73	30
200	24,2	95	92	71	68	70	29
300	29,8	93	90	60	57	67	27
500	38,2	87	84	49	46	62	25
600	42,6	85	81	42	39	60	24
900	53,0	81	78	28	25	53	22
1000	56,5	80	77	23	20	50	21
1200	60,3	78	75	18	15	41	20

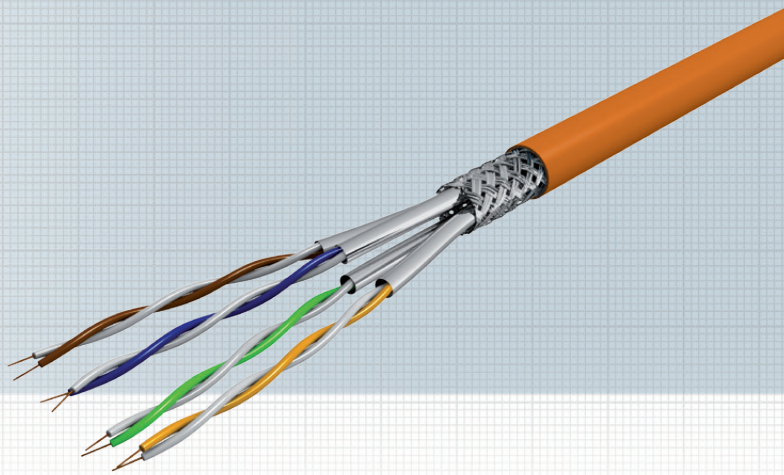
### Description

Datatable EasyLan Silver S-FTP AWG23/1 1200MHz Cat.7

### Ordering Code

CESS1312K

# Data cable EasyLan Bronze S/FTP AWG23/1 1000MHz Cat.7



## Applications:

Datatable for transmission of analogue and digital signals for cabling within primary, secondary and tertiary area. For applications up to class F (600MHz).

## Mechanical Data:

Temperatur Range fixed during installation	-20°C to +60°C
Bending radius	8 x Diameter during installation 4 x Diameter fixed
max. tractive force	95N
weigth	56kg/km

## Applications:

IEEE 802.3:	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+ compatible

## Standards:

EN 50288-4-1; EN 50173; EN 50174-2; 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

## Chemical Properties:

RoHS 2011/65/EU; IEC 60811-2-1 (IRM 902, 4h bei 70°C)  
Brandlast 0.17 kWh/m

## Electrical Data:

Loop resistance	max. 160 Ohm / km
Insulation resistance at +20°C	min. 5 GOhm x km
Capacitance unbal.	< 1600 pF / km
Char. Impedance at 100MHz	100 Ohm ± 5 Ohm
Test voltage	700V / AC
Velocity of propagation	app. 0.79 c
Signal Term	max. 425 ns/100m
Running time difference	< 12 ns/100m
Coupling attenuation	> 75 dB, Type 1B
Transfer impedance	< 15 mOhm/m att 10MHz, Grade 2
Separating class	D

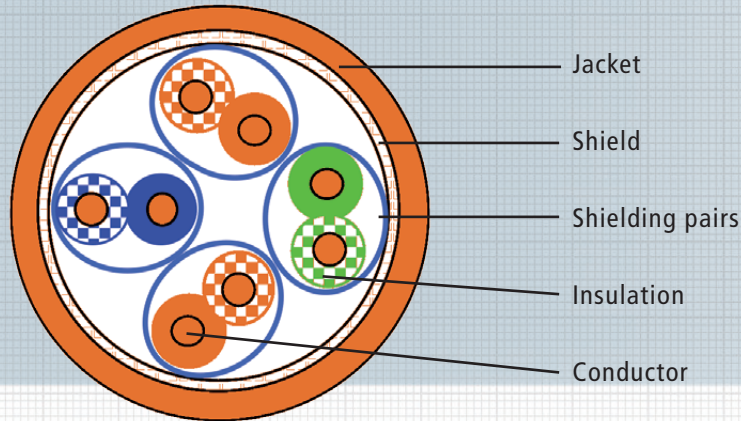
## Construction:

Conductor	AWG 23/1, bare
Insulation	SFS-PE
Diameter	1.35 ± 0.02 mm
Colour code	IEC 708-1
Shielding Pairs	Plastic laminated aluminium foil
Shielding	Copper, Wire 0.10
Jacket	Halogen free compound
Colour	orange, RAL 2003
Diameter	7.9 ± 0.2 mm

## Printing Text:

Data cable EasyLan® S/FTP AWG 23/1 Cat. 7 1000 MHZ >> length and batch number <<





### Transmission Performance:

f in MHz	Attenuation [dB/100m] nom.	NEXT [dB] nom.	PSNEXT [dB] nom.	ACR [dB/100m] nom.	PSACR [dB/100m] nom.	ELFEXT [dB/100m] nom.	RL [dB] nom.
1	1,9	105	102	103	100	95	25
4	3,4	105	102	102	99	93	28
10	5,5	105	102	99	96	92	30
16	6,9	103	100	96	93	90	32
20	7,7	102	99	94	91	89	34
31,25	9,7	102	99	92	89	85	35
62,5	14,0	100	97	86	83	81	34
100	17,6	100	97	82	79	76	33
155	23,0	95	92	72	69	72	30
200	25,3	93	90	68	65	70	29
300	31,2	90	87	59	56	67	27
400	36,3	87	84	51	48	63	26
500	40,4	85	82	45	42	60	24
600	44,9	81	78	36	33	58	23
800	51,5	78	75	26	23	50	21
900	56,9	76	73	19	16	46	20
1000	59,5	74	71	14	11	43	19

### Description

Datatable EasyLan Bronze S-FTP AWG23/1 1000MHz Cat.7

### Ordering Code

CESB1310K