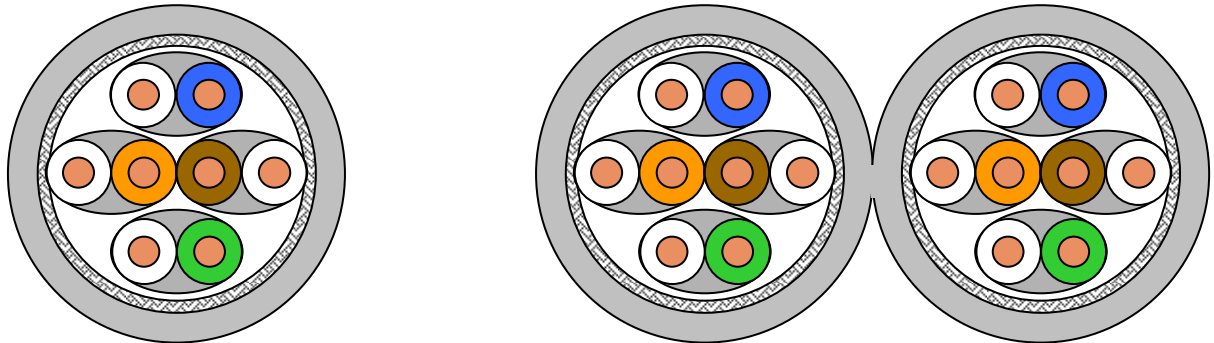


SILVERLINE GOLD Cat.7A

S/FTP

EN 50173-1; ISO/IEC 11801; EN 50288-4-1; IEC 61156-5



Application

Generic premises cabling acc. to ISO/IEC 11801.

Certificates

SILVERLINE GOLD is 3P-certified

Flamability

LSFROH: IEC 61034; IEC 60754; IEC 60332-3 C

Design

Conductor	Copper wire, bare, Ø 0,58 mm
Insulation	PE, Ø 1,4 mm
Pair stranding	2 cores to form the pair
Core stranding	4 Pairs to form the cable core
Pair shield	Aluminium laminated plastic foil
Screening	Copper braid tinned Ø 6,6 mm
Jacket	Flame retardent halogene free LSFROH

Mechanical properties

Bending radius	during installation	8 x D
	during operation	4 x D
Tensile force	during installation, max.	100 N
	during operation, max.	-
Temperature range	during installation	-20°C bis + 60°C
	during operation	0°C bis + 50°C
Heat release (4 pair)	LSFROH	486 MJ/km

SILVERLINE GOLD Cat.7A

Electrical properties

@ 20 °C

Characteristic impedance	@ 100 MHz	100 ± 5 Ω
Loop resistance	max.	132 Ω/km
Resistance unbalance	max.	2%
Signal delay		500 ns/100m
Delay skew	max.	20 ns/100m
Transfer impedance, nominal	1 MHz	10 mΩ /m
	10 MHz	10 mΩ /m
Nominal velocity of propagation		0,75 c
Capacitance	nominal	44 nF/km
Capacitance unbalance	max.	800 pF/km

Transmission properties (nominal)

@ 20 °C

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB/100m)	Return loss (dB)	PS-NEXT (dB)	PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)
1.0	1.8	115	112	113	110	105	102	-
4.0	3.4	115	112	112	109	105	102	27
10.0	5.4	115	112	110	107	97	94	30
16.0	6.8	115	112	108	105	93	90	30
20.0	7.7	115	112	107	104	91	88	30
31.2	9.6	115	112	105	102	87	84	30
62.5	13.7	114	111	100	97	81	78	30
100.0	17.4	111	108	94	91	77	74	30
155.5	19.5	109	106	89	86	75	72	26
200.0	25.0	107	104	82	79	71	68	25
250.0	28.1	105	102	77	74	69	66	24
300.0	30.9	104	101	73	70	67	64	24
600.0	44.8	100	97	55	52	61	58	22
1000.0	58.4	96	93	37	34	57	54	19
1200.0	65.2	95	92	30	27	45	42	19
1500.0	73.5	94	91	21	18	43	40	18

Technical data

Description	Style	Color	Diameter	Delivery length	Net weight	Item code
SILVERLINE GOLD Cat.7A LSFROH S/FTP 4x2/0,58mm	LSFROH	Grey, RAL7035	7,8	T1000m	63 kg/km	STP-10 475-10