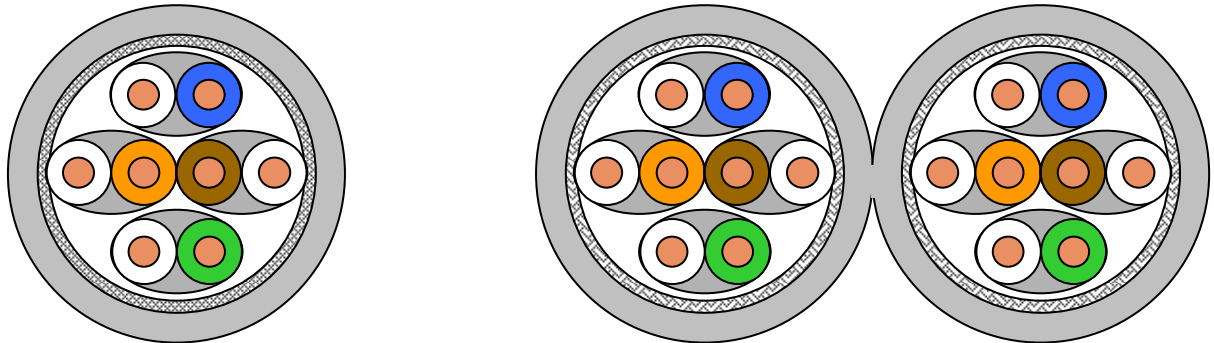


SILVERLINE PREMIUM Cat.7

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 PREMIUM is 3P-certified

Flamability

LSOH: IEC 61034; IEC 60754; IEC 60332-1

Design

Conductor	Copper wire, bare, Ø 0,55 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 6,2 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	761 MJ/km

SILVERLINE PREMIUM Cat.7

Electrical properties

@ 20 °C

Characteristic impedance	@ 100 MHz	100 ± 5 Ω
Loop resistance	max.	145 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

F (MHZ)	Attenuation (dB/100m)	NEXT (dB)	PS-NEXT (dB)	ACR (dB/100m)	PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Return loss (dB)
1,0	1,8	100	97	98	95	105	103	20
4,0	3,4	100	97	97	94	93	91	23
10,0	5,4	100	97	95	92	85	83	25
16,0	6,8	100	97	93	90	81	79	25
20,0	7,7	100	97	92	89	79	77	25
31,2	9,6	100	97	90	87	75	73	24
62,5	13,7	100	97	86	83	69	67	22
100,0	17,4	100	97	83	80	65	63	20
125,0	18,6	95	92	76	73	63	61	19
155,5	19,5	95	92	75	69	61	59	19
175,0	22,1	92	89	70	67	60	58	18
200,0	25,0	92	89	67	64	59	57	18
250,0	28,1	90	87	62	59	57	55	17
300,0	30,9	89	86	58	55	55	53	17
450,0	37,4	87	84	50	47	52	50	17
600,0	44,8	85	82	40	37	49	47	17
1000,0	58,4	82	79	24	21	45	43	17
1200,0	65,2	82	79	17	17	43	41	16

Technical data

Product name	Sheath	Colour	Outer diameter	Length PWD*	Weight	Art.-Nr. ELBRO
SILVERLINE PREMIUM Cat.7 LSOH S/FTP 4x2 AWG 23	LSOH	Gray, RAL7035	7,4	500m	54kg/km	STP-10 465-5
SILVERLINE PREMIUM Cat.7 LSOH S/FTP 4x2 AWG 23	LSOH	Gray, RAL7035	7,4	1000m	54kg/km	STP-10 465-10