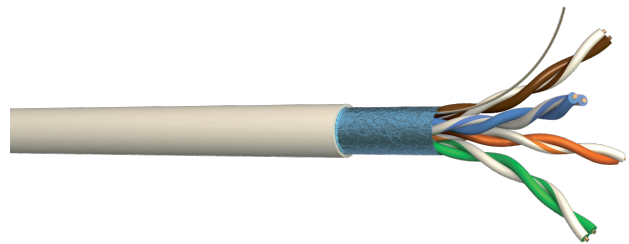
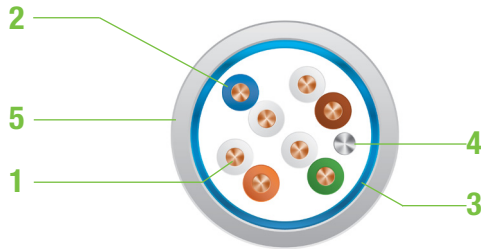




SGBxSHy

F/UTP CAT5e cable 4 pairs or 2x4 pairs LSZH sheath



- 1. **Conductor** : solid bare copper AWG24
- 2. **Insulation** : PE HD
- 3. **General shield** : Aluminum/Polyester foil - coverage 110%
- 4. **Drain wire** : Solid tinned copper
- 5. **Outer sheath** : LSZH - RAL 7035

DESCRIPTIONS

The F/UTP, SGBxSH data cable used in full shielded structured cabling system, for horizontal or vertical configuration. It constitutes the base of a high rate structured cabling, with a maximum rate of 1Gbps.

APPLICATIONS

Ethernet Base T up to 1Gbits/s	TOKEN RING 4/16 MBITS
ISDN	ATM 155, 622Mbits/s & 1.2Gbits

STANDARDS

CABLE	IEC 61156-5 CAT5e
SYSTEM	ISO / IEC 11801 Ed2.2 Class D

ELECTRICAL PROPERTIES

Max linear electrical resistance	94 Ω/Km
Mutual capacity (nom)	50 pF/m
Characteristic impedance	100 +/- 15Ω
Nominal Velocity Propagation	66%





SGBxSHy

F/UTP CAT5e cable 4 pairs or 2x4 pairs LSZH sheath

ENVIRONMENTAL PROPERTIES

CPR Level	Dca - s2,d2,a2
Fire behaviour	IEC 60332-1
Operating Temperature	-20°C / +70°C
Minimum bending radius	8 x cable diameter
Compliant to RoHS	

TRANSMISSION PERFORMANCES @20°C

(* standard : values from IEC 61156-5)

Freq (Mhz)	Attenuation		NEXT (dB)		PS NEXT (dB)		ACR-F (dB)		PS ACR-F		RL (dB)	
	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value
4	4.08	4	56.3	62	53.3	59	52	63	49	60	23.0	37
10	6.5	6.2	50.3	60	47.3	57	44	60	41	57	25.0	38
16	8.3	8.1	47.2	56	44.2	53	40	57	37	54	25.0	38
25	10.4	10.2	44.3	54	41.3	51	36	53	33	50	24.3	75
31.25	11.7	11.5	42.9	50	39.9	47	34.1	48	31.1	45	23.6	35
62.5	17	16.8	38.4	47	35.4	43	28.1	39	25.1	36	21.5	34
100	22	21.7	35.3	40	32.3	37	24	35	21	32	20.1	32

ORDERING INFORMATION

CABLE 4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
SGB41SH	CABLE CAT5E F/UTP 4 PAIRS LSZH	5.7 mm	COIL 100M
SGB45SH	CABLE CAT5E F/UTP 4 PAIRS LSZH		DRUM 500M
SGB410SH	CABLE CAT5E F/UTP 4 PAIRS LSZH		DRUM 1000M
SGB4BSH	CABLE CAT5E F/UTP 4 PAIRS LSZH		BOX 305M

CABLE 2x4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
SGB8SH	CABLE CAT5E F/UTP 2x4 PAIRS LSZH	5.7 x 12 mm	DRUM 1000M
SGB8SH1	CABLE CAT5E F/UTP 2x4 PAIRS LSZH		COIL 100M
SGB85SH	CABLE CAT5E F/UTP 2x4 PAIRS LSZH		DRUM 500M