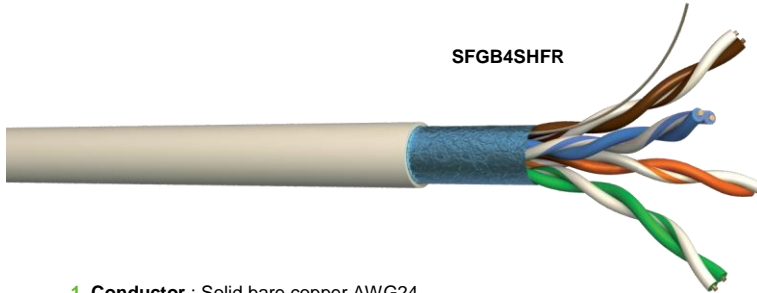
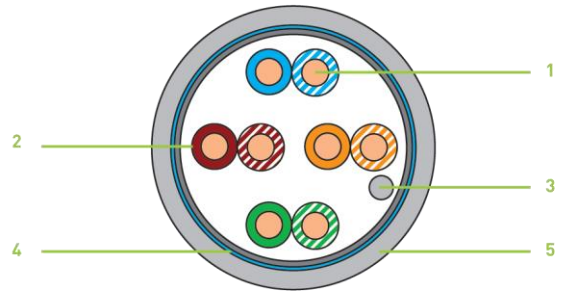


REF : SGBxSHFR

100 Ω F/UTP x pairs category 5e cable – 100 MHz- LSZH sheath F2



SFGB4SHFR



1. **Conductor** : Solid bare copper AWG24
2. **Insulation** : Polyethylene
3. **Drain wire** : Solid tinned copper AWG24
4. **Shield** : Aluminum/Polyester tape ; coverage:110%
5. **Outer jacket** : LSZH – Grey RAL 7035

Application

F/UTP (Shielded Foiled twisted pairs) cable for use as horizontal configuration, it constitutes the base of a high bit rate V.D.I (Voice- Data-Image) network up to 100 MHz.

The general shield (aluminium tape) allows a use in high disturbed environment.

This cable supports all the applications of the current network standards IEEE802.3, IEEE802.5 & IEEE802.12. (Ethernet, Token Ring, TP-PMD).It is also suitable for ATM 622 Mps applications.

Standards

CABLE	IEC 61156-5
SYSTEM	ISO 11801 Edition 2 – CLASSE D

Electrical properties

Electrical linear resistance : 94 Ω / Km
Mutual capacity (nom.) : 50 pF / m
Characteristic impedance from 1 to 100 MHz : 100 +/- 15 Ω
Velocity of propagation : 66 %

Mechanical characteristics

Fire behavior: IEC 60332-3-24 & F2
Operating temperature : - 20° C / + 70°C
Minimum bending radius: 8 x cable diameter
Conform to RoHS directive

REF : SGBxSHFR

100 Ω F/UTP x pairs category 5e cable – 100 MHz- LSZH sheath F2

Transmission performances @20°C

Frequency (MHZ)	ATTENUATION (dB/100m)		NEXT (dB)		PS NEXT (dB)		ELFLEX (dB/100m)		PSELFLEX (dB/100m)		RETURN LOSS (dB)	
	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C
4	4.08	4.0	56.3	62	53.3	59	52	63	49	60	23	37
10	6.5	6.2	50.3	60	47.3	57	44	60	41	57	25	38
16	8.3	8.1	47.2	56	44.2	53	40	57	37	54	25	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

Standard: Values according to IEC 61156-5 / Category 5E

Ordering information

References	SFGB4SHFR	SFGB8SHFR
Number of pairs	4	2x4
AWG	24	24
Nominal Diameter (mm)	5.7	5.7 x 12.0
Weight (Kg/Km)	35	76