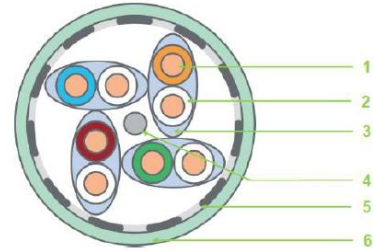
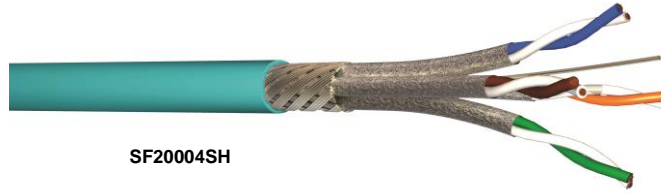


REF : SF20004SH

100 Ω PIMF S/FTP 4 pairs Category 8 cable – 2 GHz LSZH



1. **Conductor**: Solid bare copper AWG 23
2. **Isolant** : PE skin-foam skin
3. **Individual shield of pairs** : Aluminum/polyester foil; aluminum face outwards
4. **Drain** : Tinned copper solid wire
5. **General Shield** : Tinned copper braid
6. **Outer jacket** : LSZH – Green RAL 6027

Application

Thanks to an individually shielded pairs with Aluminium foil and general braid, associated to special assignment of the lays of the cables we achieve a bandwidth of 2000MHz and a 40Gbps rate. By consequence, the SF2000, CAT8.1 cable is a perfect solution for data Center with an excellent price/quality ration

This cable is 100% tested with a network analyser using balun-less technology that permits to offer a warranted performances (cable delivered with test report)

The double shielding offer to the SF2000 cable a very high EMC, perfect solution in an environment with high interferences such as DC where the number of high frequency transmissions is high

The application supported by the SF20004SH :

- ATM 155, 622 Mbits/s and 1,2Gbits
- ETHERNET ieee802.3 an 10GBaseT on 90 meters
- ETHERNET ieee802.3 bq 25/40GBaseT on 30 meters
- POWER Over ETHERNET ieee 802.3 af (PoE),ieeee 802.3 at (Poep) and futur ieee802.3 bt (4pPoE)

Standards

CABLE	IEC 61156-9 CAT 8.1
SYSTEM	ISO11801 Ed3 CLASS I TIA 568-C.2-1 CAT8

REF : SF20004SH

100 Ω PIMF S/FTP 4 pairs Category 8 cable – 2 GHz LSZH

Electrical properties @ 20°C	Mechanical characteristics
Max. linear resistance : 135Ω/Km	Flame retardant : IEC60332-1
Mutual capacity (nom.): 44pF /Km	Operating temperature : - 20° C / + 70°C
Characteristic impedance: 100 +/- 5%	Minimum bending radius: 8 x Øext
Velocity of propagation: 75%	Conform to RoHS directive

Transmission performances @ 20°C						
Freq (MHZ)	ATTENUATION (dB/100m)	NEXT (dB)	PS NEXT (dB)	ACR-F (dB)	PSACR-F (dB)	Return loss (dB)
	Standard	Standard	Standard	Standard	Standard	Standard
4	3,7	66	63	67	64	23
10	5,8	60	57	59	56	25
16	7,3	57	54	55	52	25
20	8,2	56	53	53	50	25
31,25	10,3	53	50	49	46	25
62,5	14,6	48	45	43	40	24
100	18,5	45	42	39	36	22
300	32,7	38	35	29	26	19
600	47,1	34	31	23	20	17
900	58,5	31	28	20	17	16
1000	61,9	30	27	19	16	15
1200	68,4	29	26	17	14	15
1600	80,0	27	24	15	12	14
2000	90,5	26	23	13	10	13

Standard values/ IEC61156-9 CAT8.1

Ordering information	
Reference	SF20004SH
Nb of Pairs	4
[X] x AWG	23
Outer diameter (mm)	8.1mm
Kg/Km (approx)	67 Kg/km
Packaging	500m

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